

ANNUAL CALENDAR

OF

McGILL COLLEGE

AND

UNIVERSITY,

MONTREAL.



FOUNDED UNDER BEQUEST OF THE HON. JAMES MCGILL,  
ERECTED INTO A UNIVERSITY BY ROYAL CHARTER  
IN 1821, AND RE-ORGANIZED BY AN  
AMENDED CHARTER IN 1852.

SESSION 1895-96.

**Montreal :**

PRINTED FOR THE UNIVERSITY BY JOHN LOVELL & SON.

1895

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ADDENDA ET CORRIGENDA.

*In the Faculty of Arts:—*

Rev. Dr. Cornish has resigned the Professorship of Classics.

Dr. P. J. Darey has resigned the Professorship of French Language and Literature.

William Peterson, M.A. (Oxon), LL.D. (St. Andrews), has been appointed Professor of Classics.

Maxime Ingres, B.A. (France), has been appointed Instructor in French Language and Literature.

Dr. Colby, Lecturer in History, has been appointed Professor of History.

*In the Donalds Department*, one Mathematical scholarship (value \$125 a year) will be offered for competition to students entering the Third Year in September, 1896, and another of the same value in September, 1897. The subjects of examinations will be the same as for men.

In section (§XII) on Fees, the Registration fee for all new graduates is \$2.50, not \$2.00, as printed by error. (p. 48 10th line from bottom.)

Every candidate for the Matriculation examination in any Faculty, must pay a fee of \$5 before admission to the examination. This will be reckoned as part of the regular fees if he pass, but will not be returned in case of failure.

At a meeting of the Corporation in April, 1895, it was agreed to request Members of the University to appear in academic dress at University receptions, conversaciones, etc.

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The *List of Graduates* corrected to June, 1895, and the *Examination Papers* (price 75 cents) of the Session 1894-95, are published separately, and may be obtained on application to the Secretary, or through booksellers.

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# Governing Body of the University.

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(The Principal has, under the Statutes, the general superintendence of all affairs of the College and University, under such regulations as may be in force.)

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# General Statement.

SESSION OF 1895-96.

The Sixty-third Session of the University, being the Forty-third under the amended Charter, will commence in the autumn of 1895.

By Virtue of the Royal Charter, granted in 1821 and amended in 1852, the Governors, Principal and Fellows of McGill College constitute the Corporation of the University; and, under the Statutes framed by the Board of Governors with the approval of the Visitor, have the power of granting Degrees in all the Arts and Faculties in McGill College and Colleges affiliated thereto.

The Statutes and Regulations of the University have been framed on the most liberal principles, with the view of affording to all classes of persons the greatest possible facilities for the attainment of mental culture and professional training. In its religious character the University is Protestant, but not denominational, and while all possible attention will be given to the character and conduct of Students, no interference with their peculiar views will be sanctioned.

The educational work of the University is carried on in McGill College, Montreal, and in the Affiliated Colleges and Schools.

## I. MCGILL COLLEGE.

**THE FACULTY OF ARTS.**—The complete course of study extends over four Sessions of eight months each; and includes Classics and Mathematics, Experimental Physics, English Literature, Logic, Mental and Moral Science, Natural Science, and one Modern Language or Hebrew. The course of study is, with few exceptions, the same for all Students in the first two years; but in the third and fourth years extensive options are allowed, more especially in favour of the Honour Courses in Classics, Mathematics, Mental and Moral Science, Natural Science, English Literature, Modern and Semitic Languages. Certain exemptions are also allowed to professional students. The course of study leads to the Degrees of B.A., M.A. and LL.D.

The Degree of B.A. from this University admits the holder to the study of the learned professions without preliminary examination, in the Provinces of Quebec and Ontario, and in Great Britain and Ireland, etc.

In the Session 1894-5, special regulations were sanctioned by the Corporation, by which the degree of B.A. can be obtained along with the degree in the Faculty of Medicine or of Applied Science in six years. This is effected by avoiding the duplication of courses in the same subjects or in those which give the same educational training, and by a proper adaptation of the time tables. A certificate of Literate in Arts will be given along with the degree in either Faculty to candidates who have completed two years in Arts before entering the Professional Faculty.

The Degree of B.A. can be obtained along with the degree in the Faculty of Law also in six years.

**THE DONALDA SPECIAL COURSE IN ARTS** provides for the education of women, in separate classes, with course of study, exemptions, degrees and honours similar to those for men.

**THE FACULTY OF APPLIED SCIENCE** provides a thorough professional training, extending over four years, in Civil Engineering, Mechanical Engineering, Mining Engineering and Assaying, Electrical Engineering, and Practical Chemistry, leading to the Degrees of Bachelor of Applied Science, Master of Engineering, and Master of Applied Science.

**THE FACULTY OF MEDICINE.**—The complete course of study in Medicine extends over four Sessions of nine months each, and leads to the Degree of M.D., C.M.

**THE FACULTY OF COMPARATIVE MEDICINE AND VETERINARY SCIENCE.**—The complete course extends over three Sessions of six months each, and leads to the Degree of D.V.S.

**THE FACULTY OF LAW.**—The complete course of law extends over three Sessions of eight months each, and leads to the Degrees of B.C.L. and D.C.L.

## II. AFFILIATED COLLEGES.

Students of Affiliated Colleges are matriculated in the University, and may pursue their course of study wholly in the Affiliated College, or in part in McGill College, and may come up to the University Examinations on the same terms as the students of McGill College.

**MORRIN COLLEGE, Quebec.**—Is affiliated in so far as regards Degrees in Arts and Law. [Detailed information may be obtained from Rev. A. T. Love, B.A., Principal.]

**ST. FRANCIS COLLEGE, Richmond, P.Q.**—Is affiliated in so far as regards the Intermediate Examinations in Arts. [Detailed information may be obtained from J. A. DRESER, B.A., Principal.]

**THE STANSTEAD WESLEYAN COLLEGE, Stanstead, P.Q.**—Is affiliated in so far as regards the Intermediate Examination in Arts. [Detailed information may be obtained from the Rev. C. R. FLANDERS, B.A., Principal.]

## III. AFFILIATED THEOLOGICAL COLLEGES.

Affiliated Theological Colleges have the right of obtaining for their students the advantage, in whole or in part, of the course of study in Arts, with such facilities in regard to exemptions as may be agreed on.

**THE CONGREGATIONAL COLLEGE OF BRITISH NORTH AMERICA, Montreal.** Principal, REV. WILLIAM M. BARBOUR, D.D., 58 McTavish St.

**THE PRESBYTERIAN COLLEGE, MONTREAL,** in connection with the Presbyterian Church in Canada. Principal, REV. D. H. MACVICAR, D.D., LL.D., 69 McTavish St.

**THE DIOCESAN COLLEGE OF MONTREAL.** Principal, REV. CANON HENDERSON, M.A., D.D., 896 Dorchester St.

**THE WESLEYAN COLLEGE OF MONTREAL,** Principal, REV. W. I. SHAW, M.A., LL.D., 228 University St.

(Calendars of the above Colleges and all necessary information may be obtained on application to their Principals.)

## IV. MCGILL NORMAL SCHOOL.

**THE MCGILL NORMAL SCHOOL** provides the training requisite for Teachers of Elementary and Model Schools and Academies. Teachers trained in this School are entitled to Provincial Diplomas, and may, on conditions stated in the announcement of the School, enter the classes in the Faculty of Arts for Academy Diplomas and for the Degree of B.A. Principal, S. P. ROBINS, LL.D., 30 Belmont St., Montreal.

## V. AFFILIATED HIGH SCHOOLS, ETC.

The Trafalgar Institute for the higher education of women, Simpson St., Montreal, Principal, Miss Grace Fairley. The High School of Montreal, Metcalfe St., Principal, Rev. I. Elson Rexford, B.A. The Girls' High School of Montreal, Metcalfe St.

*Schools which have prepared successful candidates for A.A. or for matriculation (June, 1895).*

High School, Montreal; Girls' H. S., Montreal; High School, Quebec; Girls' H. S., St. John, N.B.; Coaticook Acad.; Cowansville Acad.; Huntingdon Acad.; Inverness Acad.; Knowlton Acad.; Lachute Acad.; Sherbrooke Boys' Acad.; Sherbrooke Girls' Acad.; Stanstead Wesleyan Coll.; Waterloo Acad.; Ottawa Coll. Inst.; Almonte H. S.; Bishop Ridley Coll., St. Catharines; Montreal Coll. Inst.; Bedford Acad.; Girls' H. S., Quebec; St. Francis College School; Brockville Coll. Inst.; Cote St. Antoine Acad.; Peterboro Coll. Inst.; Williamstown H. S.; Three Rivers Acad.; Danville Acad.; Mansonville Model S.; Paspebiac Model S.; Montreal Diocesan Coll.; Sarnia Coll. Inst.; Upper Canada Coll.; Woodstock Coll.; Pictou Acad.; Misses Symmers & Smith School, Montreal; Sabrevois School, Montreal; Abingdon School, Montreal; Berthier Grammar School; Compton Ladies Coll.; Cookshire Acad.; Dunham Ladies Coll.; Granby Acad.; Sutton Acad.; St. Andrew's Model School; St. Hyacinthe Model School; Dunham Model School; Gananoque H. S.; Hamilton Coll. Inst.; Kingston Coll. Inst.; Bishop's College School; Moncton H. S.; Lorette School, Scotland; Pembroke H. S.; Sydney, B. C. Acad.; Grammar School, St. John, N.B.; Coligny Coll., Ottawa; Arnprior H. S.

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NOTE.—Meeti

## ACADEMICAL YEAR 1895-96.

SEPTEMBER, 1895.		NOVEMBER, 1895.	
1 SUNDAY	Normal School opens. Lectures in Law begin. Matriculation in Law.	1 Friday	Law Examinations
2 Monday		2 Saturday	
3 Tuesday		3 SUNDAY	
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29 SUNDAY	29 Friday		
30 Monday	30 Saturday		
OCTOBER, 1895.		DECEMBER, 1895.	
1 Tuesday	Session of Veterinary Faculty begins. Meeting of Fac. of App. Sc. Meeting of Normal School Committee.  Founder's Birthday. The Wm. Molson Hall opened, 1862.  Meeting of Faculty of Arts.  Physics Building Com. Law Examinations. Meeting of Museum Com. Meeting of Library Com. Regular Meeting of Corporation Reps. Schol. & Exh. Accounts audited. Meeting of Faculty of Arts. Meeting of Governors. Law Examinations.  New Library opened 1893.	1 SUNDAY	Meeting of Faculty of App. Sc. Meeting of Nor. Sch. Comm. Meeting of Fac. of Arts.  Lectures in Arts and App. Sc. end. Law Examinations. Christmas Ex. in Arts and Applied Science begin. Law Examinations  Christmas Vacation begins.  Christmas-Day.  Meeting of Governors.
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NOTE.—Meetings of the Faculty of Arts are held at 4.30 P.M. unless otherwise specified.

JANUARY, 1896.

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25 ~~SUNDAY~~  
27 Monday  
28 Tuesday  
29 Wednesday  
30 Thursday  
31 Friday

Christmas Vacation ends.  
Lectures in Arts, Law, Med. & A. S. Science recommence. Meetings of Facs. of Arts and App. Sci.  
Meeting of Nor. Sch. Comm.  
Phys. Build'g Com. Meeting of Fac. of Arts.  
Meeting of Museum Com. Meeting of Library Com.  
Regular Meet'g of Corporation. Examiners appointed. Annual Report to Visitor.  
Meeting of Governors.  
Meeting of Fac. of Arts. Theses for M.A. and LL.D. to be sent in.

FEBRUARY, 1896.

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Meeting of Fac. App. Science.  
Meeting of Nor. School Com.  
Law Examinations.  
Meeting of Faculty of Arts. Supplemental Exam's in Arts and Applied Science. Law. Exams.  
No lectures.  
Law. Exams.  
Physics & Engineering Building opened 1893.  
Meeting of Faculty of Arts. Meeting of Governors.

MARCH, 1896.

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29 SUNDAY  
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31 Tuesday

Theses for B.C.L. Meeting of Fac. Ap. Science.  
Meeting of Nor. Sch. Com.  
Meeting of Fac. of Arts.  
Law Examinations.  
Exam's in Med. begin. Meeting of Fac. of Ap. Science.  
Meeting of Faculty of Arts. Reports of Attendance on Lects.  
Law Examinations.  
Conv. for Degrees in Veterinary Science. Meeting of Governors.  
Lects. in Arts and Ap. Sc. end. Meeting of Fac. of App. Sc. Convocation for Degrees in Medicine.

APRIL, 1896.

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19 SUNDAY  
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22 Wednesday  
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27 Monday  
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29 Wednesday  
30 Thursday

Meeting of Nor. Sc. Committee. Exams. in Arts begin.  
Good Friday. Easter vacation begins.  
Easter.  
Easter vacation ends.  
Meeting of Fac. of Arts. Examinations in Law.  
Phys. Build'g Com.  
Lectures in Law end. Examinations in Law.  
Meeting of Museum Committee. Law Examinations. Meeting of Library Committee. Law Examinations. Regular meeting of Corporation. Law Examinations.  
Meeting of Governors.  
Declaration of results of Exam. in Arts.  
Convocation for Degrees in Arts Law and Applied Science.

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MAY, 1896.

JULY, 1896

1 Friday	Meeting of Examiners for Sch. Examinations. Examinations in Normal School begin.
2 Saturday	
3 SUNDAY	
4 Monday	
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6 Wednesday	Meeting Nor. Sch. Committee.
7 Thursday	
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24 SUNDAY	Whit Sunday. Queen's Birthday.
25 Monday	
26 Tuesday	
27 Wednesday	Normal Sch. closes for Summer Vacation.
28 Thursday	
29 Friday	
30 Saturday	Meeting of Governors.
31 SUNDAY	Trinity Sunday.

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JUNE, 1896.

AUGUST, 1896.

1 Monday	Examinations for Matric. and Associate in Arts begin.
2 Tuesday	Medical Examinations.
3 Wednesday	Normal School Committee.
4 Thursday	
5 Friday	
6 Saturday	
7 SUNDAY	
8 Monday	
9 Tuesday	
10 Wednesday	
11 Thursday	Phys. Building Com.
12 Friday	
13 Saturday	
14 SUNDAY	
15 Monday	Meeting of Museum Committee.
16 Tuesday	Meeting of Library Committee.
17 Wednesday	Regular Meeting of Corporat'n. Report of Normal School.
18 Thursday	
19 Friday	
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27 Saturday	
28 SUNDAY	Meeting of Governors.
29 Monday	
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13 Thursday	
14 Friday	Peter Redpath Museum opened 1882.
15 Saturday	
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## FACULTY OF ARTS.

*EXHIBITION, SCHOLARSHIP, &c., EXAMINATIONS,  
SEPTEMBER, 1895.*

DAY.	DATE	FIRST YEAR	SECOND YEAR.	THIRD YEAR.	HOUR.
Tuesday.	17	Greek.	Greek.	Greek.	9 to 12
"	17	Latin.	Latin.	Latin Prose Comp.	2 to 5
"	17			Mathematics.	9 to 12
Wednesday.	18	Mathematics.	Mathematics.	Latin.	9 to 12
"	18			Mathematics.	9 to 12
"	18			Botany.	9 to 12
"	18	Mathematics.	Mathematics.	Ancient History.	2 to 5
"	18			Botany.	2 to 5
Thursday.	19	English.	English.	English.	9 to 12
"	19			Logic.	9 to 12
"	19	English.		English.	2 to 5
"	19		Chemistry.	Chemistry.	2 to 5
Friday.	20			Mathematics.	9 to 12
"	20			Botany.	9 to 12
"	20		French.	French.	9 to 12
"	20	Grammar and Comp. (Classics.)	General Paper. (Classics.)	English Composition	2 to 5
Monday.	23		Mathematics.	Mathematics.	9 to 12
			English.		2 to 5

### CHRISTMAS EXAMINATIONS DECEMBER, 1895.

DAY.	DATE	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Monday.	16	Latin.	Latin.	Mechanics.	Astronomy.
"	16		Mathematics, P.M.		
Tuesday.	17	Greek	Greek.	Greek.	Greek.
"	17			Zoology, P.M.	Latin, P.M.
Wednesday.	18	Mathematics.	Psychology.	Latin.	Moral Philosophy
"	18	French, P.M.	French, P.M.	Ment. Phil., P.M.	Geology, P.M.
Thursday.	19	Chemistry.			
"	19	German, P.M.	German, P.M.		
"	19	Hebrew, P.M.	Hebrew, P.M.		
Friday.	20	English.			

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### FACULTY OF ARTS.

#### SESSIONAL AND HONOUR EXAMINATIONS, APRIL, 1896.

DATE.	FIRST YEAR.		SECOND YEAR.		THIRD YEAR.		FOURTH YEAR.	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
1 Wed.	Hebrew .....		Hebrew .....		Hebrew. . . . .		Hebrew and B.A. Honours.	
2 Thurs.	.....		.....		.....		.....	
3 Fri.	Good Friday. Easter		vacation begins .....		.....		.....	
4 Sat.	.....		.....		.....		.....	
5 Sun.	Easter Day .....		.....		.....		.....	
6 Mon.	.....		.....		.....		.....	
7 Tues.	Easter vacation ends.		.....		.....		.....	
8 Wed.	Greek .....		Greek .....		Mechanics.....		Ethics. Ethics.	
9 Thurs.	Latin... Anc. History		Latin... Composition.		Latin.....		Latin. Latin.	
10 Fri.	English. ... English.		English. English.		Ex. Phy- English, sics.		Ex. Phy- History, sics.	
11 Sat.	.....		.....		.....		.....	
13 Mon.	Geometry and Arithmetic....		Mathematics .....		Greek.....		Mechanics and B.A. Honours.	
14 Tues.	Trigonometry and Algebra. ....		Mathematics... ..		Astronomy and .... Optics.....		Astr'y. and Optics. B.A. Honours.	
15 Wed.	French. German.		French. German.		Metaphysics.....		Geology. Geology.	
16 Thurs.	Chemistry .....		Logic.....		..... Zoology'		Greek. History.	
17 Fri.	.....		Botany..... Botany.		French. German.		French. German, B.A. Honours, B.A. Honours.	
20 Mon.	Honour Examinations		Honour Examinations		Honour Exam'tions		.....	
21 Tues.	Meeting of		Examiners and Facul		ty. 9.30 A. M.		.....	
22 Wed.	Honour Examinations		Honour Examinations		Honour Exam'tions		P. A. Honours,	
23 Thurs.	Regu Meeting of		lar Meeting of Cor Examiners and Facul		poration. ty. 9.30 A. M.		.....	
24 Fri.	Meeting of Examin		ers and Faculty. 9.30		A.M.		.....	
25 Sat.	Meeting of		Examiners and Facul		ty. 9.30 A. M.		.....	
27 Mon.	Meeting of Examin		ers and Faculty. 9.30		A.M. Declaration		of results.	
28 Tues.	.....		.....		.....		.....	
29 Wed.	.....		.....		.....		.....	
30 Thurs.	Convocation for Degr		ees in Arts.		.....		.....	

The Examinations begin at 9 A.M. and 2 P.M. when not specified otherwise.

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FACULTY OF APPLIED SCIENCE.

SESSIONAL EXAMINATIONS, APRIL, 1895.

DAYS.	FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
W. April 1				
T. " 2				
F. " 3	Good Friday.			
S. " 4				
Sun. " 5	Easter Sunday.			
M. " 6				
T. " 7	Mathematics.	Chemistry	{ Machine Design. { Surveying.	{ Mechl. Eng. { Geodesy. { Assaying.
W. " 8	Geom. Drawing.	Surveying.	Theory of Structures	{ Th. of Structures. { Dyn. of Machin'y.
T. " 9	Math. Lab.	Kinematics.	Theory of Structures a.m. and p.m.	{ Th. of Struct. a.m. { & p.m. Geol. (Adv.)
F. " 10	English.	Exp. Physics.	Exp. Physics.	{ Th. of Structures. { Elect. Eng'r.
S. " 11	Desc. Geometry.	Desc. Geometry.	{ Phys. Lab. Wk. { Desc. Geom.	{ Th. of Structures, { Drawing (Mechl.)
Sun. " 12				
M. " 13	Mathematics.	Mathematics.	{ Elect. Eng. { Chemistry.	{ Elect. Engin. { Th. of Struct. Adv
T. " 14	Pract. Chem. (1)	Org. Chem.	Org. Chem.	{ Hydraulics. { Phys. Lab. Wk.
W. " 15	{ French a.m. { German p.m.	{ French a.m. { German p.m.	{ Dyn. of Mach. { Geology.	Machine Design.
T. " 16	Chemistry.	{ Drawing (Mechl). { Zoology p.m.	{ Drawing (Mechl). { Mining.	{ Hydraulics (Adv.). { Metallurgy.
F. " 17	Pact. Chem. (2)	Botany a.m. & p.m.	Mathematics.	Thermodynamics.
S. " 18	Pact. Chem. (3)		Railway Eng. a.m.	{ Railway Eng. a.m. { and p.m.
Sun. " 19				
M. " 20	Mathematics.	Mathematics.	Mathematics.	
Th. " 30	Convocation.		Mineralogy (Adv.).	

N.B.—The Examinations begin at 9 00 a.m. and 2.00 p.m. when not specified otherwise.

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Exhibitions are awarded. For those who aim at passing only, a minimum course is appointed, and there are two examinations in the year as follows:—

(1) That held in the first week of June, concurrently with the examinations for Associate in Arts. Schools desirous to take advantage of this may send their pupils for examination to McGill College; or, if at a distance, by sending in to the Secretary of the University the names of Deputy Examiners for approval, with a list of candidates, on or before May 1st, may have papers sent to them. (2) That held at the opening of the session, on September 17th and following days, in McGill College alone.

In 1895 the following regulations with regard to the First Year Entrance Examination come into operation:—

1. Any candidate who fails in one and not more than one subject at the September Entrance Examination may pass an equivalent Examination at Christmas, or at the following Sessional Examinations, in the precise part of the subject in which he failed. In this regulation, Classics, Mathematics, and English are each regarded as a single subject.

2. The Entrance Examinations for the First Year will be held only in June and September on the days appointed in the Calendar, except in cases of severe illness or domestic affliction.

As the examination is intended as a test of qualification for admission to the classes of the University, certificates of passing are not granted except to those who subsequently attend lectures. Candidates who may have passed the examination are not "Matriculated," *i.e.*, enrolled on the "Matricula" of the University, until they have paid all the prescribed fees for the session and complied with the other University regulations. (See "Directions" below.)

#### FIRST YEAR ENTRANCE EXAMINATION.

##### (a) For Passing only.

Examinations begin on June 1st in McGill College and local centres; on September 17th in McGill College only.

*Greek*.—Xenophon, Anabasis, Book I.; Greek Grammar.

*Latin*.—Caesar, Bell. Gall., Books I and II.; and Virgil, Aeneid, Book I., Latin Grammar.

[The A.A. standard in Latin will be accepted for 1895, *i.e.* two books of Caesar will be required from all but the A.A. Candidates.]

*Mathematics*.—Arithmetic, including a knowledge of the Metric system; Algebra to Quadratic Equations (inclusive) as in Colenso; Euclid's Elements, Books I., II., III.

*English*  
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*English.*—Writing from Dictation. A paper on English Grammar *including Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the examination.

*French.*—Grammar up to the beginning of Syntax. An easy translation from French into English.

Candidates unable to take French are not excluded, but will be required to study German after entrance.

At the September (but not at the June) examinations, an equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners on application made through the Professor of Classics. At the June examination, candidates from Ontario may present an equivalent amount from the books prescribed for the Junior Matriculation Examination of the University of Toronto.

Candidates who at the examination for Associate in Arts have passed in the above subjects are admitted as Undergraduates.

The Matriculation or Junior leaving Examination accepted by the Universities of Ontario is accepted by the Faculty, in so far as the subjects of their programme satisfy the Examiners of the Faculty, *i.e.*, when the subjects taken are the same as, or equivalent to, those required in McGill University.

For Candidates from Ontario, Second Class non-professional certificates will be accepted *pro tanto* in the Examination.

For qualifications required of Normal School Students, see Normal School Regulations.

Candidates who fail in one or more subjects at the June examination, and present themselves again in the following September, will be exempted from examination in those subjects only in which the Examiners may have reported them as specially qualified.

(b) *Higher Examination—For First Class, Second Class and Passing.*

The Examination will be held on September 17th and following days in McGill College only. (For Exhibitions, see § II.)

*Greek.*—Homer, Iliad, Bk. IV. or VI.; Xenophon, Anabasis, Bk. I. or V.; Homer, Odyssey, Bk. VII. or XI.

*Latin.*—Cicero, in Catilinam, Orat. I. and II., or, Horace, Odes, III. and IV. Caesar, Bell. Gall., Bks. I. and II. or V. and VI.; Virgil, Aeneid, Bk. I. or II.

A paper on Greek and Latin Grammar.

Translation at sight from the easier Latin authors. Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25. Collar's Practical Latin Composition, Pts. III. and IV., or an equivalent, such as Arnold's Latin Prose Composition.

*Mathematics.*—Euclid, Books I., II., III., IV.; Algebra to end of Harmonical Progression (Colenso); Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

*French.*—(Solely as a test of qualification to join the French Class).—Grammar up to the beginning of Syntax ; and easy translation from French into English, Candidates unable to take French will be required to study German after entrance.

SECOND YEAR ENTRANCE EXAMINATION.

Candidates may be admitted into Second Year as Undergraduates, if able to pass the Second Year Entrance Examination. The regulations for this correspond to those for the First Year, the higher examination being the same as that for the Second Year Exhibitions (see § II.) held in September ; or the candidates may take the First Year Sessional Examinations held in April. There is besides :

*For Passing only.*

An Examination beginning on Sept. 17th, in McGill College only.

*In Classics.—Greek.*—Homer, Iliad, Book VI. ; Xenophon, Anabasis, Book I Grammar and Prose Composition.

*Latin.*—Virgil, Aeneid, Book VI. ; Cicero, Orations against Catiline ; Grammar and Prose Composition.

(An equivalent amount of other books or other authors in Latin and Greek than those named above may be accepted by the Examiners for entrance into the Second Year, on application made through the Professor of Classics.)

*In Mathematics :—*

*Euclid.*—Books I., II., III., IV., VI., with defs. of Book V. (Omitting Propositions 27, 28, 29 of Book VI.)

*Algebra.*—To end of Quadratic Equations (as in Colenso's Alg.).

*Trigonometry.*—Galbraith and Haughton's Trigonometry, Chaps. 1, 2, 3, 4, 6, to beginning of numerical solution of plane triangles.

*Arithmetic.*—Elementary Rules, Proportion, Interest, Discount, etc., Vulgar and Decimal Fractions, Square Root, Metric System.

*English Literature.*—Writing from Dictation, English Grammar, including Analysis, English Composition, English History (Buckley). Essay.

*In French.*—French Grammar ; or (instead of French) *German*, in which knowledge sufficient to enable the Candidate to join the regular class will be required.

*In Chemistry.*—The Chemistry of the non-metallic Elements and of the more common metals.

[*Note.*—Candidates unable to pass in French or German are not excluded, but are required to begin German, and to continue the study of it for two years.

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## 2. PARTIAL STUDENTS.—STUDENTS OF OTHER UNIVERSITIES.

PARTIAL STUDENTS.—All Students who are not Undergraduates or Graduates, or Students in Special Courses, are called Partial Students. Candidates for admission as Partial Students must satisfy the professors of the several subjects they select of their fitness to attend the lectures, or be examined in these subjects, as may from time to time be determined by the Faculty,

The subjects in which an examination is necessary are :—Latin, Greek, Mathematics, English, French. Candidates are required to appear at the ordinary entrance examinations announced above ; but on application to the Faculty, may, for sufficient cause, have a later day appointed.

STUDENTS OF OTHER UNIVERSITIES may be admitted, on production of certificates, to a like standing in this University, after examination by the Faculty.

## 3. GENERAL REGULATIONS.

Candidates for entrance into the First Year of the Faculty of Medicine in McGill University may pass in the above examinations.

Every student is expected to present, on his entrance, a written intimation from his parent or guardian of the name of the minister of religion under whose care and instruction it is desired that the Student should be placed, who will thereupon be invited to put himself in communication with the Faculty on the subject. Failing such intimation from his parent or guardian, the Faculty will endeavor to establish befitting relations.

Every student is required to sign the following :—

## DECLARATION.

“ I hereby declare that I will faithfully observe the statutes, rules and ordinances of this University of McGill College to the best of my ability.”

## 4. DIRECTIONS TO CANDIDATES FOR MATRICULATION OR ADMISSION.

Candidates are required :—

(a) To pay the Entrance Examination fee (see page 31) to the Acting Secretary, and to present themselves to the Dean at the beginning of the session, and fill up a form of application for matriculation or admission (§ I.).

(b) To pass or to have passed the required examinations (§ I.). Candidates claiming exemption, according to the regulations above given, from examination in any subject on the ground of examinations previously passed, must present certificates of standing in the latter.

(c) To procure tickets from the Registrar (§ XII.), and to sign the declaration above given.

(d) To present their tickets to the Dean. (Fine, etc., for delay stated in § XII.)

(f) To provide themselves with the Academic dress (§ VIII.).

## § II. SCHOLARSHIPS AND EXHIBITIONS.

### GENERAL REGULATIONS.

1. A Scholarship is tenable for *two* years ; an Exhibition for *one* year.
2. Scholarships are open for competition to Students who have passed the University Intermediate Examination, provided that not more than three sessions have elapsed since their Matriculation; and also to Candidates who have obtained what the Faculty may deem equivalent standing in some other University, provided that application be made before the end of the Session preceding the examination.
3. Scholarships are divided into two classes :—(1) *Science* Scholarships ; (2) *Classical and Modern Language* Scholarships. The subjects of examination for each are as follows :—  
*Science Scholarships* :—Differential and Integral Calculus ; Analytic Geometry ; Plane and Spherical Trigonometry ; Higher Algebra and Theory of Equations ; Botany ; Chemistry ; Logic. (For subdivision, see below.)  
*Classical and Modern Language Scholarships* :—Greek ; Latin ; English Composition ; English Language, Literature, and History ; French or German.
4. Exhibitions are assigned to the First and Second Years.  
 First Year Exhibitions are open for competition to candidates for entrance into the First Year.  
 Second Year Exhibitions are open for competition to Students who have passed the First Year Sessional Examinations, provided that not more than two sessions have elapsed since their Matriculation ; and also to candidates for entrance into the Second Year.  
 The subjects of examination are as follows :—  
*First Year Exhibitions*.—Classics, Mathematics, English.  
*Second Year Exhibitions*.—Classics, Mathematics, English Language and Literature, Chemistry and French or German.
5. The First and Second Year Exhibition Examinations will, for Candidates who have not previously entered the University, be regarded as Matriculation Examinations.
6. No student can hold more than one Exhibition or Scholarship at the same time.
7. Exhibitions and Scholarships will not necessarily be awarded to the best answerers at the Examinations. Absolute merit will be required.
8. If in any one College Year there be not a sufficient number of candidates showing absolute merit, any one or more of the Exhibitions or Scholarships offered for competition may be transferred to more deserving candidates in another year.
9. A successful candidate must, in order to retain his Scholarship or Exhibition, proceed regularly with his College Course to the satisfaction of the Faculty.

10. The instalment day of each

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10. The annual income of the Scholarships or Exhibitions will be paid in four instalments, viz. :—In October, December, February and April, about the 20th day of each month.

11. The Examinations will be held at the beginning of every Session.

There are at present seventeen Scholarships and Exhibitions :—

THE JANE REDPATH EXHIBITION, founded by Mrs. Redpath, of Terrace Bank, Montreal :—value, about \$90 yearly, open to both men and women.

TEN McDONALD SCHOLARSHIPS AND EXHIBITIONS, founded by W. C. McDonald, Esq., Montreal :—value, \$125 each yearly.

THE CHARLES ALEXANDER SCHOLARSHIP, founded by Chas. Alexander, Esq., Montreal, for the encouragement of the study of Classics and other subjects—value, \$120 yearly.

THE GEORGE HAGUE EXHIBITION, given by George Hague, Esq., Montreal, for the encouragement of the study of Classics :—value, \$125 yearly.

THE MAJOR H. MILLS SCHOLARSHIP, founded by bequest of the late Major Hiram Mills :—value, \$100 yearly.

THE BARBARA SCOTT SCHOLARSHIP, founded by the late Miss Barbara Scott, for the encouragement of the study of the Classical languages and literature :—value, \$100 to \$120 yearly.

TWO DONALDA EXHIBITIONS, open to women in the Donalda Department—value, \$100 and \$120 yearly.

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#### EXHIBITIONS AND SCHOLARSHIPS OFFERED FOR COMPETITION AT THE OPENING OF THE SESSION, SEPT., 1895.

N.B.—*Three of the Exhibitions are open to women (two of these to women alone, either in the First or Second Year).*

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*To students entering the First Year, three Exhibitions of \$125, two of \$100, and one of \$120.*

*Subjects of Examination :—*

GREEK.—Homer, Iliad, Bk. IV. or VI. ; Xenophon, Anabasis, Bk. I. or V. ; Homer, Odyssey, Bk. VII. or XI.

LATIN.—Virgil, Aeneid, Bk. I. or II. ; Cicero, In Catilinam, Orat. I. and II. or Horace, Odes, III. and IV. ; Caesar, Bell. Gall., Bks. I. and II., or V. and VI.

A paper on Greek and Latin Grammar.

*Text-Books.*—Hadley's or Goodwin's Greek Grammar. Abbott's Arnold's Greek Prose Composition, exercises 1 to 25. Allen and Greenough's Latin Grammar, Arnold's Latin Prose Composition by Bradley, or Collar's Latin Composition, Pts. III. and IV.

*Mathematics.*—Euclid, Bks. I., II., III., IV. ; Algebra to end of Harmonical Progression (Colenso) ; Arithmetic.

*English.*—English Grammar and Composition.—(Mason's Grammar, omit Derivation and Appendix.)

The First Year Exhibitions will be awarded to the best answerers in the above course, provided there be absolute merit.

But in subsequently distributing the Exhibitions of higher value among the successful candidates, answering in the following subjects will be taken into account also :—

1. A retranslation into Latin of an English version of some passages from one of the easier Latin Prose writers. (For specimens, see Smith's *Principia Latina*, Part V.)

2. Euclid, Book VI. (omitting Props. 27, 28, 29), with Defs. of Book V.

3. English :—An Examination upon one of Shakespeare's plays. For 1895—*Macbeth*.

4. French :—Syntax and translation from English into French, in addition to the entrance course.

*To Students entering the Second Year, three Exhibitions of \$125, one of \$100, and one of \$120 (see also N.B. above).*

*Subjects of Examination :—*

*Greek.*—Xenophon, *Hellenics*, I. and II. ; Demosthenes, *Olynthiacs*, I. and II. ; Herodotus, Bk. III.

*Latin.*—Virgil, *Georgics*, Bk. I. ; Horace, *Odes*, Bk. I. ; Livy, Bk. XXII.

Greek and Latin Prose Composition, and translation at sight from the less difficult Latin and Greek authors.

A Paper on Grammar and History.

*Text-books.*—Myer's *Ancient History*, Abbott's *Arnold's Greek Prose Composition*, *Latin Prose through English idiom* (Abbott).

*Mathematics.*—Euclid (six books) ; Algebra (Hall & Knight's *Advanced*) ; McDowell's *Exercises in Modern Geometry* ; Theory of Equations (in part) ; Trigonometry (first four chapters, Galbraith & Haughton's).

*English Literature.*—Mason's *Grammar*. Shakespeare, *As You Like It*. Trench, *Study of Words*.

*Chemistry.*—Roscoe's *Lessons in Elementary Chemistry*, as far as page 264.

*French.*—Darey, *Principes de Grammaire française* ; LaFontaine, *les Fables*, livres IV and V ; Molière, *l'Avare* ; Colloquial exercises ; Dictation.

*Or, instead of French :—*

*German.*—German Grammar and Composition ; Grimm's *Kinder—und Hausmärchen* (Vandersmissen's edition) ; Schiller—*Der Neffe als Onkel*, *Der Gang nach dem Eisenhammer* ; Dictation ; Translation from English into German.

A candidate for a Second Year Exhibition to be successful must not, at the special examination, be placed in the Third Class in more than one of the ordinary subjects. The award is made on the aggregate of the marks among those who fulfil this condition.

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To students entering the Third Year, three Scholarships of \$125 and one of \$120, tenable for two years.

One of these is offered in Mathematics and Logic, and one in Natural Science and Logic, as follows :—

1. *Mathematics*.—Differential Calculus (Williamson, Chaps. 1, 2, 3, 4, 7, 9; Chap. 12, Arts. 168-183 inclusive; Chap. 17, Arts. 225-242 inclusive). Integral Calculus (Williamson, Chaps. 1, 2, 3, 4, 5; Chap. 7, Arts. 126-140 inclusive; Chap. 8, Arts. 150-156 inclusive; Chap. 9, Arts. 168-176 inclusive). Analytic Geometry (Salmon's Conic Sections, subjects of Chaps. 1-13 [omitting Chap. 8], with part of Chap. 14). Lock's Higher Trigonometry; McLelland and Preston's Spherical Trigonometry, Part I. Salmon's Modern Higher Algebra (first four chapters). Todhunter's or Burnside and Panton's Theory of Equations (selected course).

*Logic*, as in Jevon's Elementary Lessons in Logic.

2. *Natural Science*.—*Botany*, as in Gray's Structural and Systematic Botany. *Canadian Botany*, including a practical acquaintance with the Spermaphytes, Pteridophytes and Bryophytes. *Chemistry*, as in Roscoe's Lessons in Elementary Chemistry.

*Logic*, as in Jevon's Elementary Lessons on Logic.

Two will be given on an Examination in Classics and Modern Languages, as follows :—

*Classics*.—*Greek*.—Plato, Apology and Crito; Xenophon, Memorabilia, Book I.; Thucydides, Book VI. *Latin*.—Horace, Epistles, Book I.; Livy, Books XXI., XXII.; Virgil, Georgics, Book II; Sallust, Catiline; Cicero, Select Letters (Pritchard and Bernard; Clarendon Press Series). Greek and Latin Prose Composition, and Translation at sight.

*History*.—*Text-Books*.—Smith's Student's Greece; Mommsen's Rome (abridged).

*English Language and Literature*.—Spalding's English Literature (Chap. VI., Part III., to end of book); Shakspeare, Tempest; Milton's Paradise Lost, Books I. and II.; Trench, Study of Words.

*English Composition*.—High marks will be given for this subject.

*French*.—Racine, Britannicus; Molière, les Femmes savantes. French Grammar. Bonnefon, les Ecrivains célèbres de la France. Translation from English into French; Dictation.

Or instead of French :

*German*.—Schiller—Egmont's Leben und Tod (Buchheim), Die Kraniche des Ibycus, Das Lied von der Glocke, Der Kampf mit dem Drachen; Goethe.—Torquato Tasso; German Grammar and Composition; Translation from English into German; Dictation.

*Classical Subjects for Exhibitions, September, 1896.*

FIRST YEAR.—*Greek.*—Homer, Iliad, Bk. IV. or I. ; Xenophon, Anabasis, Bk. I. ; Homer, Odyssey, Bk. VII.

*Latin.*—Virgil, Aen., Bk. II. or III. ; Cicero, in Catilinam, I., II. ; or, Horace, Odes (one Book) ; Caesar, Bell. Gall., I. and II. or V. and VI.

SECOND YEAR.—*Greek.*—Xenophon, Hellenics, I. and II. ; Demosthenes, Olynthiacs, I. and II. ; Euripides, Alcestis.

*Latin.*—Virgil, Georgics, Bk. I. ; Horace, Odes, Bk. I. ; Livy Bk. XXII.

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EXEMPTIONS FROM TUITION FEES UNDER PRESENTATION  
SCHOLARSHIPS, ETC.

Four exemptions from tuition fees may be granted by the Board of Governors from time to time, to the most successful students who may present themselves as Candidates. By order of the Board, one of these is given annually to the Dux of the High School of Montreal, and one to the Dux of any other Academy or High School, sending up in one year for entrance, three or more Candidates competent to pass creditably the Matriculation Examination.

In the event of any Academy or High School in the Province of Quebec offering for competition among its pupils an Annual Bursary in the Faculty of Arts of not less than \$80, the Governors will add the amount of the fees of tuition thereto.

For exemptions from fees to Normal School Students, see regulations of Normal School.

One exemption is given annually to the pupil (boy or girl) of the Montreal High School holding a Commissioners' exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examination, and is recommended by the Commissioners.

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§ III. COURSE OF STUDY.

An Undergraduate, in order to attain the degree of B.A., is required, after passing the First Year Matriculation Examination (see § I.), to attend the appointed courses of lectures regularly for four years, and to pass two Examinations in each year, viz., at Christmas and in April. If he fail at any one of these examinations, he is not allowed to proceed with his course until he has passed it subsequently. (See § IV.) Undergraduates are arranged, according to their standing, as of the First, Second, Third or Fourth Year.

The special arrangements made for Honour Students and for those attending lectures in other Faculties also are stated in § V.

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## ORDINARY COURSE FOR THE DEGREE OF B.A.

## FIRST YEAR.

GREEK.—HOMER.—Odyssey, Bk. XI. Xenophon.—Hellenics, Book I. Studies in History and Literature.

LATIN.—CICERO, De Amicitia. Sallust, Catiline. VIRGIL, Aeneid, Bk. VI.—Translation at sight.—Studies in History and Literature.—Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid, six books. Algebra, to end of Quadratic equations. Plane Trigonometry, in part.

ENGLISH LITERATURE.—Two lectures a week.

The course will present an outline of English Literature from the Anglo-Saxon period to the present day.

CHEMISTRY.—Lectures chiefly on Elementary and Inorganic Chemistry, with experiments in the class-room, and Laboratory work if desired; the whole preparatory to the Course in Natural Science.

[A student registered in the Medical Faculty may substitute for this one-half of the Course in Chemistry required of Students in the first year of the Medical Faculty. For conditions see § V.]

FRENCH.—DAREY, Principes de Grammaire française.—LA FONTAINE, Choix de Fables.—MOLIÈRE, L'Avare.—Dictation, Colloquial exercises.

*Or, instead of French, either of the following:—*

GERMAN.—VANDERSMISSEN AND FRASER'S German Grammar; JOYNES' German Reader; Dictation; Colloquial exercises.

HEBREW.—(For Theological Students only.)—*Elementary Course*.—Reading and Grammar, with oral and written exercises in Orthography and Etymology. Translation and Grammatical Analysis of Genesis.—*Text-Books*.—HARPER'S Elements of Hebrew; and Introductory Hebrew Method and Manual.

## SECOND YEAR.

GREEK.—PLATO.—Apology. Aeschylus.—Prometheus Vincetus. History of Greece.

LATIN.—HORACE.—Epistles, Bk. I., 1 to 7; Livy, Bk. XXI. Translation at sight, and Latin Prose Composition.

MATHEMATICS.—Arithmetic, Euclid. Algebra and Trigonometry as before.—Logarithms.—Plane Trigonometry, including solution of triangles and applications.

MATHEMATICAL PHYSICS.—Mechanics, one lecture a week.

PSYCHOLOGY AND LOGIC.—First Term.—Elementary Psychology (*Text-Book*.—MURRAY'S Handbook of Psychology, Bk. I.). Second Term.—Logic (*Text-Book*.—JEVONS' Elementary Lessons in Logic).

[Students registered in the Medical Faculty may substitute the second half of the Course in Chemistry in that Faculty for the Psychology of the First Term and the Mathematical Physics of the Second Year. For conditions see § V.]

**BOTANY.**—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of plants. Elements of Histology. *Text-Books.*—Gray's Structural Botany. Penhallow's Classification. Penhallow's Guide to the Collection of Plants. Gray's Manual. [Students registered in the Medical Faculty may substitute the Botany course in that Faculty for the above.] For conditions see § V.

**FRENCH.**—RACINE, Esther.—Ponsard, l'Honneur et l'Argent.—CONTANSEAU, Précis de Littérature française depuis son origine jusqu'à la fin du XVIIe siècle. Translation into French :—DR. JOHNSON, Rasselas. Dictation. Parsing. Colloquial exercises.

*Or, instead of French, either of the following :—*

**GERMAN.**—VANDERSMISSEN AND FRASER's German Grammar; Joynes' German Reader; Freytag—Die Journalisten; Uhland—Ballads and Romances (MacMillan's Foreign School Classics); Translation at sight; Dictation; Colloquial exercises; Parsing.

**HEBREW.**—(For Theological Students only.)—*Intermediate Course.*—Grammar.—Dr. Harper's "Elements" and "Methods."—Translation from the Old Testament.—Exercises:—Hebrew into English, and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

**EUROPEAN HISTORY.**—The Political History of Europe from 1789 to the present day.

[For the Intermediate Examination, see § IV.]

### THIRD YEAR.

**GREEK.**—LYSIAS.—Contra Eratosthenem.

EURIPIDES.—Medea.

*Or, instead of Greek :—*

**LATIN.**—JUVENAL.—Satires (Selections).

PLINY.—Select Letters.

Latin Prose Composition.

**NATURAL PHILOSOPHY.**—**MATHEMATICAL PHYSICS.**—GALBRAITH AND HAUGHTON's Mechanics, viz., *Statics*, First three chapters, omitting sec. 5, chapter I., and sec. 21, chapter II.; *Dynamics*, subjects of the first five chapters. Maxwell's Matter and Motion (parts). GALBRAITH AND HAUGHTON's Hydrostatics.

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In addition to the above, the Student must take three subjects out of the two following divisions, headed Literature and Science respectively, the selection being at the option of the Student, provided two be taken from one division and one from the other.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been chosen previously.

ENGLISH AND RHETORIC.—(A) CHAUCER'S Prologue to Canterbury Tales, ed. Morris. (B) Genung's Rhetoric.

MENTAL PHILOSOPHY.—First Term :—The Logic of Induction, as in MILL'S System of Logic, Book III. Second Term :—The Psychology of Cognition, as in MURRAY'S Handbook of Psychology, Book II., Part I.

FRENCH.—(If taken in the first two years).—CORNEILLE, *Le Polyeucte*—Cogery—Third French course. Translation into French—Johnson, *Rasselas*. French Composition. Dictation.—CONTANSEAU, *Précis de Littérature française, depuis le XVIIe siècle jusqu'à nos jours*.

GERMAN.—(If taken in the first two years).—VANDERSMISSEN AND FRASER'S German Grammar ; SCHILLER—*Siege of Antwerp* ; LESSING—*Minna von Barnhelm* ; History of German Literature ; German composition ; Dictation.

HEBREW.—(For Theological Students).—*Advanced Course*.—Gesenius' Grammar—Harper's Elements of Syntax. Exercises continued.—Translation from the Old Testament.—Reading of the Masoretic notes.

*II. Science.*

†OPTICS AND DESCRIPTIVE ASTRONOMY.—Optics (Galbraith and Haughton). Descriptive Astronomy (Lockyer's Elementary Astronomy), English edition ; first five chapters. Students are recommended to use with this an "Easy Guide to the Constellations," by Gall.

†EXPERIMENTAL PHYSICS.—Heat, Light and Sound ; as in Ganot's Treatise.

LABORATORY COURSE IN PHYSICS (See Lecture courses.)

ZOOLOGY.—Elementary Physiology, Embryology, Morphology, development, classification and natural history of vertebrate and invertebrate forms ; weekly demonstrations. Practical Course in Fourth Year.

PHYSIOLOGY AND HISTOLOGY, with practical work therein, or ANATOMY and PRACTICAL ANATOMY, will, for Medical Students, be accepted as two courses under this heading. For conditions see § V.

FOURTH YEAR.

GREEK.—DEMOSTHENES.—The Olynthiacs.

*Or, instead of Greek :—*

LATIN.—TACITUS.—Annals, Book II.

Latin Prose Composition.

NATURAL PHILOSOPHY.—*Mathematical Physics*. Mechanics and Hydrostatics (as in Third Year), or Astronomy (GALBRAITH AND HAUGHTON OR BRINKLEY) and Optics (GALBRAITH AND HAUGHTON).

MORAL PHILOSOPHY.—First Term :—The Psychological Basis of Ethics. Second Term :—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text Book* :—Murray's Introduction to Ethics.

In addition to the preceding, the Student must take three subjects out of the two following divisions (headed Literature and Science respectively), the selection being at the option of the Student, provided all three are not taken out of the same division.

*I. Literature, etc.*

LATIN OR GREEK.—As above, according as Greek or Latin has been taken above.

ENGLISH LITERATURE.—(a) The leading poets of the nineteenth century.—One lecture a week. (b) In addition to (a) Students will be examined on characteristic poems of the authors treated. The time to be given to (b) may be regarded as equal to that required to obtain a good knowledge of (a).

FRENCH.—(If taken in Third Year.)—Bonnefon, *Les Ecrivains modernes de la France*. Translation into French. Morley's *Ideal Commonwealths*. Dictation. CORNEILLE, *Le Polyeucte*.

GERMAN.—(If taken in Third Year.)—Goethe—*Aus meinem Leben*; SCHILLER—*Wallenstein*; German Grammar and Composition; Dictation; History of German Literature.

HEBREW.—(For Theological Students.)—Advanced Course continued.

*II. Science.*

†ASTRONOMY AND OPTICS.—If not chosen as above.

†EXPERIMENTAL PHYSICS.—Electricity and Magnetism, as in GANOT'S Treatise.

LABORATORY COURSE IN PHYSICS.—(See lecture courses.)

MINERALOGY AND GEOLOGY.—1. *Mineralogy and Petrography*. Minerals and rocks, especially those important in Geology or useful in the Arts. 2. *Stratigraphy, Chronological Geology and Palæontology*.—Data for determining the relative ages of Formations. Classification according to age. Fauna and Flora of the successive periods. Geology of British America. *Text-Book*.—Dawson's *Handbook of Canadian Geology*.

For the B.A. Examinations see § IV.

† Students claiming exemptions (see § V.) cannot count these subjects for the B.A. if they have not taken the Third Year Mathematical Physics.

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## NOTE ON THE ORDINARY COURSE FOR B.A.

Instead of two distinct subjects in one of the above divisions in either Third or Fourth Year, the student may select one subject only, together with an *Additional Course* in the same or any other of his subjects in which such Additional Course may have been provided by the Faculty, under the above rules, provided he has been placed in the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The Additional Course is intended to be more than an equivalent in the amount of work involved for any of the other subjects in the division.

(For details of additional courses provided, see under Section XIII.)

Undergraduates are required to study either French or German for two years (viz., in the First and Second Years), taking the same language in each year. Any Student failing to pass the Examination at the end of the Second Year will be required to pass a Supplemental Examination, or to take an additional Session in the language in which he has failed. In addition to the obligatory, there are other lectures, attendance on which is optional.

Students who intend to join any Theological School, on giving written notice to this effect at the beginning of the First Year, may take Hebrew instead of French or German.

For arrangements enabling Students in Medicine or Applied Science to take the course in Arts also and obtain B.A., with B. Ap. Sc. or M.D., in six years, see § V.

Undergraduates who have been previously Partial Students, and have in this capacity attended a particular Course or Courses of Lectures, may, at the discretion of the Faculty, be exempted from further attendance on these Lectures, but no distinction shall in consequence be made between the Examination of such Undergraduates and of those regularly attending Lectures.

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 HONOUR COURSES.
*Third and Fourth Years.*

1. CLASSICAL LANGUAGES AND LITERATURE.
2. MATHEMATICS AND PHYSICS.
3. MENTAL AND MORAL PHILOSOPHY.
4. ENGLISH LANGUAGE, LITERATURE AND HISTORY.
5. GEOLOGY AND OTHER NATURAL SCIENCES.
6. MODERN LANGUAGES WITH HISTORY.
7. SEMITIC LANGUAGES.

Honours are given in Mathematics in the First and Second Years also.

Candidates for Honours are allowed exemptions under conditions stated in V.

## § IV. EXAMINATIONS.

## (A) COLLEGE EXAMINATIONS.

*For Students of McGill College only.*

1. There are two examinations in each year—one at Christmas and the other at the end of the Session. In each of these the Students who pass are arranged according to their answering as 1st Class, 2nd Class and 3rd Class.

In the Fourth Year only, the University Examination for B. A. takes the place of the Sessional Examinations.

2. Students who fail in any subject at the Christmas Examinations are required to pass a Supplemental Examination (if permission be obtained from the Faculty) on that subject before admission to the Sessional Examinations.

3. Undergraduates who fail in one subject at the Sessional Examinations of the first two years are required to pass a Supplemental Examination in it. Should they fail in this, they will be required in the following Session to attend the Lectures and pass the Examination in the subject in which they have failed, in addition to those of the Ordinary Course, or to pass the Examination alone without attending lectures, at the discretion of the Faculty.

4. Failure in two or more subjects at the Sessional Examinations of the first two years, or in one subject at the third year Sessional Examinations, involves the loss of the Session. The Faculty may permit the student to recover his standing by passing a Supplemental Examination at the beginning of the ensuing Session. For the purpose of this Regulation, Classics and Mathematics are each regarded as two subjects.

5. A list of those to whom the Faculty may grant Supplemental Examinations will be published after the examination. The time for the Supplemental Examination will be fixed by the Faculty; the examination will not be granted at any other time, except by special permission of the Faculty, and on payment of a fee of \$5.

## (B) UNIVERSITY EXAMINATIONS.

*For Students of McGill College and of Colleges affiliated in Arts.*

## I. FOR THE DEGREE OF B.A.

There are three University Examinations: The *Matriculation*, at entrance; the *Intermediate*, at the end of the Second Year; and the *Final*, at the end of the Fourth Year.

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1. The subjects of the Matriculation Examination are stated in Section I.

2. In the Intermediate Examination, the subjects are Classics and Pure Mathematics, Logic, and the English Language, with one other Modern Language, or Botany. Theological Students are allowed to take Hebrew instead of a Modern Language. The subjects for the examination of 1896 are as follows :—

*Classics.*—Greek.—Plato, Apology ; Aeschylus, Prometheus Vincetus. Latin—Horace, Epistles, Bk. I., 1 to 7.—Livy, Bk. XXI. Latin Prose Composition, and Translation at sight of Latin into English.

*Mathematics.*—Arithmetic.

Euclid, Books I., II., III., IV., VI., and defs. of Book V.  
Algebra, to Quadratic Equations inclusive (as in Colenso).  
Trigonometry, including use of Logarithms.

*Logic.*—Jevons' Elementary Lessons in Logic.

*English.*—(For affiliated colleges).—Spalding's History of English Literature, or Lectures (see course). A paper on the essentials of English History (Buckley). Essay on a subject to be given at the time of the Examination.

With one of the following :—

*European History.*—(For McGill College Students) as on p. 52.

1. *Botany.*—Structural and Systematic Botany, as in Gray's Text-Book, with descriptive analysis of plants.
2. *French.*—Ponsard :—l'Honneur et L'Argent. Racine :—Esther. Contanseau :—Précis de la Littérature française from the beginning to the XVIIIth century. Translation into French :—Rasselas. Grammatical questions.
3. *German.*—Vandersmissen & Fraser's German Grammar ; Joynes' German Reader ; Freytag—Die Journalisten ; Umland—Ballads and Romances (Macmillan's Foreign School Classics) ; Translation at sight ; Dictation ; Colloquial exercises.
4. *Hebrew.*—Genesis—chap. III. to VIII. Exodus—chap. XX. Exercises : Hebrew into English, and English into Hebrew. Syntax. Reading of the Masoretic notes, the Septuagint version and the Vulgate.

3. For the Final or B.A. Ordinary Examination the subjects are those appointed as obligatory in the Third and Fourth Years, viz., Latin or Greek ; Mathematical Physics (Mechanics and Hydrostatics), or Astronomy and Optics ; Moral Philosophy ; and those three subjects which the Candidate may have selected for himself in the Third and Fourth Years. (See § III.)

The subjects in detail for 1896 are as follows:—

1. *Greek*.—Demosthenes, The Olynthiacs; Euripides, Medea.

(Or Latin, as follows):—

2. *Latin*.—Tacitus, Annals, Book II.; Juvenal, Satt. VIII. and XIII.

*Mathematical Physics.*

1. Mechanics and Hydrostatics, as in Galbraith & Haughton's text-books, with parts of Maxwell's "Matter and Motion"; or \*Optics and Astronomy.

*Mental and Moral Philosophy.*

Murray's Introduction to Ethics.

\*Additional Courses as in § XIII.

*Natural Science.*

Mineralogy and Geology, as in Dana's Manual and Dawson's Handbook of Canadian Geology.

\*Practical Geology and Palæontology; or Practical Chemistry, as in § XIII.

*Experimental Physics.*

Electricity and Magnetism. (See courses of Lectures § XIII.)

*History.* (For affiliated Colleges.)

Myers:—Mediæval and Modern History; Bryce's Holy Roman Empire (omit Chaps. 6, 8, 9, 13, and Supplementary Chapter).

\*Additional Course as in § XII.

*English Literature* (for McGill Students), as on p. 35.

*French.*

The Course of French for the Fourth Year.

\*The subjects of the Additional Course as in § XIII.

*German.*

The Course of German for the Fourth Year.

\*Additional Course as in § XIII.

*Hebrew* (Theological Students).

Isaiah, Chap. VI. to X.; Daniel, Chap. VIII. to XII.; Psalms XXXVI to XL. Translation at sight.

Gesenius' Grammar; Harper's Elements of Syntax; Reading of the Masoretic notes, the Septuagint Version and the Vulgate.

Additional Courses (see § XIII).

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For details of each subject, see Courses of Lectures, § XIII.

At the B.A. Ordinary Examination, of the Candidates who obtain the required aggregate marks, only those who pass in the First Class in three of the departments, and not less than Second Class in the remainder, shall be entitled to be placed in the First Class for the Ordinary Degree.

4. Every Candidate for the Degree of B.A. is required to make and sign the following declaration:—

“Ego——polliceor sancteque recipio me, pro meis viribus studiosum fore communis hujus Universitatis boni, et operam daturum ut ejus decus et dignitatem promoveam.”

#### II. FOR THE DEGREE OF M.A.

1. A Candidate must be a Bachelor of Arts of at least three years standing.

##### *Thesis.*

2. He is required to prepare and submit to the Faculty a thesis on some literary or scientific subject, under the following rules:—

(a) The subject of the thesis must be submitted to the Faculty before the thesis is presented.

(b) A paper read previously to any association, or published in any way, cannot be accepted as a thesis.

(c) The thesis submitted becomes the property of the University, and cannot be published without the consent of the Faculty of Arts.

(d) The thesis must be submitted before some date to be fixed annually by the Faculty, not less than two months before proceeding to the Degree.

*The last day in the session of 1895-96 for sending in Theses for M.A. will be Jan. 31st, 1896.*

##### *Examination.*

3. All Candidates, except those who have taken First or Second Rank B.A. Honours, or have passed First Class in the Ordinary Examinations for the Degree of B.A., are required to pass an examination also, either in Literature or in Science, as each Candidate may select.

(a) The subjects of the Examination in *Literature* are divided into two groups as follows :—

Group A.—1. Latin. 2. Greek. 3. Hebrew,

Group B.—1. French. 2. German. 3. English.

(b) The subjects for the Examination in *Science* are divided into three groups :—

Group A.—Pure Mathematics (Advanced or Ordinary). 2. Mechanics (including Hydrostatics). 3. Astronomy. 4. Optics.

Group B.—1. Geology and Mineralogy. 2. Botany. 3. Zoology. 4. Chemistry.

Group C.—1. Mental Philosophy. 2. Moral Philosophy. 3. Logic. 4. History of Philosophy.

(c) Every candidate in *Literature* is required to select two subjects out of one group in the literary section, and one out of the other group in the same section for the Examination. Every Candidate in *Science* is required to select two out of the three groups in the Scientific section ; and in one of the groups so chosen to select two subjects, and in the other group one subject for Examination.

(d) One of the subjects selected as above will be considered the principal subject (being so denoted by the candidate at the time of application), and the other two as subordinate subjects.

(e) The whole examination may be taken in one year, or distributed over two or three years, provided the examination in any one subject is not divided.

For further details of the examination, application must be made to the Faculty before the above date. For fees, see § XII. (In case of failure, the candidate may present himself in a subsequent year without further payment of fees.)

#### *Lectures to Bachelors of Arts.*

Lectures are open to Bachelors of Arts who are candidates for M.A., the sessional examinations corresponding to these lectures being reckoned as parts of the M.A. examination. The subjects are Greek, Latin, English, Mental and Moral Philosophy, Chemistry, Botany, Geology and Mineralogy, French, German.

#### III. FOR THE DEGREE OF LL.D.

This Degree is intended as an incentive to and recognition of special study by Masters of Arts in some branch of Literature or Science. The thesis or short

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printed treatise referred to below is regarded as the chief test of the candidate's mastery of the subject he has chosen and of his power of handling it. A very wide range of choice is allowed in order to suit individual tastes.

The following are the regulations :—

I. Candidates must be Masters of Arts of at least twelve years standing. Every candidate for the Degree of LL.D. in course is required to prepare and submit to the Faculty of Arts, not less than three months before proceeding to the degree, twenty-five printed copies of a thesis on some Literary or Scientific *subject previously approved* by the Faculty, and possessing such a degree of Literary or Scientific merit, and evidencing such originality of thought or extent of research as shall, in the opinion of the Faculty, justify it in recommending him for that degree.

N.B.—The subject should be submitted before the Thesis is written.

II. Every Candidate for the Degree of LL.D. in Course is required to submit to the Faculty of Arts, with his thesis, a list of books treating of some one branch of Literature or of Science, satisfactory to the Faculty, in which he is prepared to submit to examination, and on which he shall be examined, unless otherwise ordered by vote of the Faculty. For fees, see § XII.

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#### § V. SPECIAL PROVISIONS FOR CANDIDATES FOR HONOURS AND FOR PROFESSIONAL STUDENTS.

The Honour lectures are open to Undergraduates only, and no Undergraduate is permitted to attend unless (a) he has been placed in the First Class in the subject at the preceding Sessional Examination, if there be one, and has (b) satisfied the Professor that he is otherwise qualified. (c) While attending lectures his progress must be satisfactory to the Professor; if not satisfactory, he may be notified by the Faculty to discontinue attendance.

##### *I. Candidates for Honours in the Second Year.*

Candidates for Honours in the Second Year who have obtained Honours in the First Year may omit the lectures and examinations either in Modern Languages (or Hebrew) or Botany, giving notice of the subject at the beginning of the session.

##### *II. Candidates for Honours in the Third Year.*

Every Candidate for Honours in the Third Year must, in order to obtain exemptions, have passed the Intermediate Examination, and must in the Examin-

ations of the Second Year have taken First Rank Honours, if Honours be offered in the subjects, or if not, First Class at the Ordinary Sessional Examinations in the subject in which he proposes to compete for Honours, and be higher than Third Class in the majority of the remaining subjects; such Candidates shall be entitled in the Third Year to exemption from lectures and examinations in any one of the subjects required by the general rule (see § III.) except that in which he is a Candidate for Honours. A Candidate for Honours in the Third Year who has failed to obtain Honours shall be required to take the same examinations for B.A. as the ordinary Undergraduates.

### III. Candidates for B.A. Honours.

A Student who has taken Honours of the first rank in the Third Year, and desires to be Candidate for B.A. Honours, shall be required to attend two only of the courses of lectures given in the ordinary departments, and to pass the two corresponding examinations only at the ordinary B.A. Examination. Candidates, however, who at the B.A. Examinations obtain Third Rank Honours, will not be allowed credit for these exemptions at the end of the Session, unless the Examiners certify that the knowledge shown of the whole Honour Course (Part II. as well as Part I.) is sufficient to justify it. A Student who has taken Second Rank Honours in the Third Year, and desires to be a candidate for B.A. Honours in the same subject, shall be allowed to continue in the Fourth Year the study of the same departments that he has taken in the Third Year, but shall be required to take the same number of subjects as in the Ordinary Course.

NOTE.—For subjects of Ordinary Course see § III.

### IV. Professional Students.

Students of the Third and Fourth Years, matriculated in the Faculties of Law, or Medicine, or Applied Science or in any affiliated Theological College, are entitled to exemption from any one of the Ordinary subjects required in the Third and Fourth Years. (For rule concerning "Special Certificates," see § IV.)

To be allowed these privileges in either year, they must give notice at the commencement of the session to the Dean of the Faculty of Arts of their intention to claim exemptions as Professional Students, and must produce at the end of the session certificates of attendance on a full course of Professional Lectures during the year for which the exemption is claimed.

Students registered in the Faculty of Medicine are allowed the following additional privileges:—

In the First and Second Years in Arts, they may substitute certain equivalents for parts of the Ordinary Course. (See § III.)

In the Third Year in Arts, they may, if following the full course of the First Year in Medicine, take Physiology and Histology with practical work therein, or Anatomy and Practical Anatomy, as two of the courses under the heading of Science in the Ordinary Course.

Medical Students who have completed the Third Year in Arts and First Year in Medicine are required in the Fourth Year in Arts to take two only of the sub-

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jects of the Ordinary Course (or one subject with the Additional Course therein). These subjects must be either in Languages or Literature. Medical Students are recommended to continue in the Third and Fourth Years of the Arts Course subjects they have taken in the First and Second Years.

To be allowed these privileges, certificates of registration in the Medical Faculty must be presented at the beginning of each year to the Dean of the Faculty of Arts; and at the end of each session in the first two years, certificates of attendance on lectures and of passing the corresponding examinations. At the end of the Third and Fourth Years, certificates must be presented to show that the full curriculum of the Medical Faculty for the year has been completed.

Students in the Faculty of Applied Science, who have passed the first two years in Arts, are allowed, while pursuing the course in Applied Science, to substitute certain courses in Applied Science for the corresponding courses in Arts and to distribute the work of the Third and Fourth Years in Arts over three years, so that they may be enabled to take the B.A. Degree at the end of the Fifth Year from entrance. For the details, application may be made to the Dean of the Faculty of Arts. Certificates of attendance, etc., in Applied Science will be required.

The above arrangements will enable candidates for the M.D. or B. Ap. Sc degrees to pursue the course in Arts also, leading to the B.A. degree, and complete both courses in six years.

*Literate in Arts.*—A certificate of "*Literate in Arts*" will be given along with the professional degree in Medicine or Applied Science to those who have completed two years study in the Faculty of Arts, and have passed the prescribed examinations.

*V. Students of the University attending Affiliated Theological Colleges.*

1. These students are subject to the regulations of the Faculty of Arts in the same manner as other students.

2. The Faculty will make formal reports to the Governing body of the Theological College which any such students may attend, as to:—(1) their conduct and attendance on the classes of the Faculty; and (2) their standing in the several examinations; such reports to be furnished after the Christmas and Sessional Examinations severally, if called for.

3. Undergraduates are allowed no exemptions in the course for the Degree of B.A. until they have passed the Intermediate Examination; but they may take Hebrew in the First or Second Years, instead of French or German.

4. In the Third and Fourth Years they are allowed exemptions, as stated above.

\* Any student who, under any of the above rules, desires to take Experimental Physics is required to take Mechanics and Hydrostatics also, in the Third Year.

**§ VI. MEDALS, HONOURS, PRIZES AND CLASSING.**

1. Gold Medals will be awarded in the B.A. Honour Examinations to Students who take the highest Honours of the First Rank

in the subjects stated below, and who shall have passed creditably the Ordinary Examinations for the Degree of B.A., provided they have been recommended therefor to the Corporation by the Faculty on the report of the Examiners :—

The *Henry Chapman Gold Medal*, for Classical Languages and Literature.

The *Prince of Wales Gold Medal*, for Mental and Moral Philosophy.

The *Anne Motson Gold Medal*, for Mathematics and Natural Philosophy.

The *Shakespeare Gold Medal*, for the English Language, Literature and History.

The *Logan Gold Medal*, for Geology and other Natural Sciences.

*Major Hiram Mills Gold Medal*, for a subject to be chosen by the Faculty from year to year.

If there be no candidate for any Medal, or if none of the candidates fulfil the required conditions, the Medal will be withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which the Medal was intended. For details, see announcements of the several subjects below.

2. HONOURS of First, Second or Third Rank will be awarded to those Undergraduates who have successfully passed the Examinations in any Honour Course established by the Faculty, and have also passed creditably the ordinary Examinations in all the subjects proper to their year.

The Honour Examinations are each divided into two parts, separated by an interval of a few days, under the following regulations :—

(a) No Candidate will be admitted to Part II., unless he has shown a thorough and accurate knowledge of the course appointed for Part I.

(b) The names of the successful Candidates in Part I. will be announced before Part II. begins.

(c) First or Second Rank Honours will be awarded to those Candidates only who are successful in Part II.

(d) Third Rank Honours will be awarded to those who are successful in Part I. alone.

*By an Order of the Lieutenant-Governor of Ontario in Council, Honours in this University confer the same privileges in Ontario as Honours in the Universities of that Province as regards certificates of eligibility for the duties of Public School Inspectors, and as regards exemption from the non-professional Examination of Teachers for first-class Certificates for Grades "A and B."*

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3. SPECIAL CERTIFICATES will be given to those Candidates for B.A. who shall have been placed in the First Class at the ordinary B.A. Examination; have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year; are in the First Class in not less than half the subjects, and have no Third Class. At this examination, no Candidate who has taken exemptions (see § V.) can be placed in the first-class unless he has obtained First Class in four of the departments in which he has been examined; he must have no Third Class.

4. CERTIFICATES of High General Standing will be granted to those Undergraduates of the first two years who have obtained three-fourths of the maximum marks in the aggregate of the studies proper to their year, are in the First Class in not less than half the subjects, and have not more than one Third Class. In the Third Year the conditions are the same as for the Special Certificate for B.A.

5. PRIZES OR CERTIFICATES will be given to those Undergraduates who may have distinguished themselves in the studies of a particular class and have attended all the other classes proper to their year.

6. His Excellency the Earl of Aberdeen has been pleased to offer a GOLD MEDAL for the study of Modern Languages and Literature, with History, or for First Rank General Standing, as may be announced.

(a) The Regulations for the former are as follows:—

(1) The subjects for competition shall be French and German, together with a portion of the History prescribed for the present Honour Course for the Shakespeare Medal. Information concerning the History may be obtained from the Lecturer on History.

(2) The Course of Study shall extend over two years, viz., the Third and Fourth Years.

(3) The successful Candidate must be capable of speaking and writing both languages correctly.

(4) There shall be examinations in the subjects of the course in both the Third and Fourth Years, at which Honours may be awarded to deserving Candidates.

(5) The general conditions of competition and the privileges as regards exemptions shall be the same as for the other Gold Medals in the Faculty of Arts.

(6) Students from other Faculties shall be allowed to compete, provided they pass the examinations of the Third and Fourth Years in the above subjects.

(7) Candidates desiring to enter on the Third Year of the Course, who have not obtained first-class standing at the Intermediate or Sessional Examinations of

the Second Year in Arts, are required to pass an examination in the work of the first two years of the Course in Modern Languages, if called on to do so by the Professors.

8. The subjects of Examination shall be those of the Honour Course in Modern Languages.

(b) The Regulations for the Gold Medal, if awarded for First Rank General Standing, are as follows:—

(1) The successful Candidate must take no exemptions or substitutions of any kind, whether Professional or Honour, in the Ordinary B.A. Examinations.

(2) He shall be examined in the following subjects:—

(a) *Classics* (both languages); (b) *Mixed Mathematics*:—*Mechanics, Hydrostatics, Optics, Astronomy*; (c) *Moral Philosophy*; and any two of the following subjects, or any one of them with its Additional Course; (d) *Natural Science*; (e) *Experimental Physics*; (f) *English and History*; (g) *French*; (h) *German*.

(3) His answering must satisfy special conditions laid down by the Faculty.

(4) The same Candidate cannot obtain the Gold Medal for First Rank General Standing and also a Gold Medal for First Rank Honours.

7. THE NEIL STEWART PRIZE of \$18 is open to all Undergraduates of this, and also to Graduates of this or any other University, studying Theology in any College affiliated to this University under the following rules:—

(1) The prize will not be given for less than a thorough examination on Hebrew Grammar passed in the First Class, in reading and translating the Pentateuch, and such poetic portions of the Scriptures as may be determined.

(2) In case competitors should fail to attain the above standard, the prize will be withheld, and a prize of \$36 will be offered in the following year for the same.

[Course for the present year:—Hebrew Grammar (Gesenius); Translation and analysis of Exodus; Isaiah XL. to the end of the book.]

(3) There will be two Examinations of three hours each—one in Grammar and the other in Translation and Analysis.

This Prize, founded by the late Rev. C. C. Stewart, M.A., and terminated by his death, was re-established by the liberality of the late Neil Stewart, Esq., of Vankleek Hill.

8. EARLY ENGLISH TEXT SOCIETY'S PRIZE.—This prize, the annual gift of the Early English Text Society, will be awarded for proficiency in (1) Anglo-Saxon, (2) Early English before Chaucer.

The subjects of Examination will be:—

(1) The Lectures of the Third and Fourth Years on Anglo-Saxon.

(2) Specimens of Early English, Clarendon Press Series, ed. Morris and Skeat, Part II., A. D. 1298—A. D. 1393. The Lay of Havelock the Dane (Early English Text Society, ed. Skeat).

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9. NEW SHAKSPERE SOCIETY'S PRIZE.—This Prize, the annual gift of the New Shakspeare Society, open to Graduates and Undergraduates, will be awarded for a critical knowledge of the following plays of Shakspeare :—

Hamlet ; Macbeth ; Othello ; King Lear.

10 "CHARLES G. COSTER MEMORIAL PRIZE."—This Prize, intended as a tribute to the memory of the late Rev. Chas. G. Coster, M.A., Ph.D., Principal of the Grammar School, St. John, N.B., is offered by Colin H. Livingstone, Esq., B.A., to the Undergraduates (men or women) from the Maritime Provinces, Nova Scotia, New Brunswick and Prince Edward Island. In April, 1896, it will be awarded to that Undergraduate of the First, Second or Third Year, from the above Provinces, who, in the opinion of the Faculty, has passed the most satisfactory Sessional Examinations, under certain conditions laid down by the donor.

11. SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSION FOR THE EXHIBITION OF 1851.—These scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable students to continue the prosecution of science with the view of aiding in its advance or in its application to the industries of the country."

Two nominations to these scholarships have already been placed by the Commissioners in 1891 and 1893 at the disposal of McGill University, and have been awarded. A third is offered for 1895.

When nominations are offered, they are open to Students of not less than three years standing in the Faculties of Arts or Applied Science, and are tenable at any University or at any other Institution approved by the Commission.

12. The names of those who have taken Honours, Certificates or Prizes will be published in order of merit, with mention, in the case of Students of the First and Second Years, of the schools in which their preliminary education has been received.

### § VII. BOARDING HOUSES.

Board and rooms can be obtained at a cost of from \$15 to \$25 per month : Rooms only, from \$4 to \$10 per month : Board only, from \$12 to \$18 per month.

Students can obtain a list of Boarding Houses on application to the Secretary.

### § VIII. ATTENDANCE AND CONDUCT.

All Students shall be subject to the following regulations for attendance and conduct :—

1. A Class-book shall be kept by each Professor or Lecturer, in which the presence or absence of Students shall be carefully noted ; and the said Class-book shall be submitted to the Faculty at all their ordinary meetings during the Session.

2. Each Professor shall call the roll immediately at the beginning of the lecture. Credit for attendance on any lecture may be refused on the grounds of lateness, inattention or neglect of study, or disorderly conduct in the class-room. In the case last mentioned, the student may, at the discretion of the Professor, be required to leave the class-room. Persistence in any of the above offences against discipline, after admonition by the Professor, shall be reported to the Dean of Faculty. The Dean may, at his discretion, reprimand the student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from Classes.

3. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a session shall in each case be determined by the Faculty.

4. While in the College, or going to or from it, students are expected to conduct themselves in the same orderly manner as in the class-rooms. Any Professor observing improper conduct in the College buildings or grounds may admonish the student, and, if necessary, report him to the Dean.

5. Every student is required to attend regularly the religious services of the denomination to which he belongs, and to maintain, without as well as within the walls of the College, a good moral character.

6. When students are brought before the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, impose fines, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

7. Any student who does not report his residence on or before November 1st in each year is liable to a fine of one dollar.

8. Any student who fails to pay the same at the penalty as the  
9. All cases of the University in his absence

[NOTE.—] about the College to the Faculty except at the

The facilities year by the be the University On the shelves frequently require standard work to may be free from the library [Special collection in the Physics Faculty. The volumes. The thus about 56,

1. During the general public 9 a.m. till 6 p.m. Reading Room Rooms close at
2. The Stack
3. The book may be lent ; as from the Library
4. (a) Students the Library fee, which deposit, the session on the uninjured.

8. Any student injuring the furniture or buildings will be required to repair the same at his own expense, and will, in addition, be subject to such other penalty as the Faculty may see fit to inflict.

9. All cases of discipline involving the interests of more than one Faculty, or of the University in general, shall be immediately reported to the Principal, or, in his absence, to the Vice-Principal.

[NOTE.—All Students are required to appear in Academic dress while in or about the College buildings. Students are requested to take notice that petitions to the Faculty on any subject cannot, in general, be taken into consideration, except at the regular meetings appointed in the Calendar.]

### § IX. LIBRARY.

Librarian :—C. H. GOULD, B.A.

Assistant Librarian :—H. MOTT.

The facilities offered by the library have been greatly increased during the last year by the beautiful and commodious building erected for it, and presented to the University by the late Mr. Peter Redpath. It contains about 35,000 volumes. On the shelves in the reading-room is a selection of those books most frequently required for reference in the various courses of study, as well as of other standard works, and of dictionaries, encyclopaedias, etc. All of the books referred to may be freely used in the reading-room, but may not, as a rule, be withdrawn from the library during library hours.

[Special collections of works, numbering in all about 6500 volumes, are placed in the Physics Building, the Engineering Building, and the rooms of the Law Faculty. The Medical Faculty has a library of its own containing about 14,500 volumes. The total number of bound volumes belonging to the University is thus about 56,000 volumes.]

#### *Extracts from the Regulations.*

1. During the College Session the Library is open daily (except Sundays and general public holidays), from 9 a.m. till 5 p.m. ; and the Reading Rooms from 9 a.m. till 6 p.m., and also from 8 till 10 p.m. On Saturdays, both Library and Reading Rooms close at 5 p.m. During vacations, both Library and Reading Rooms close at 5 p.m., and on Saturdays at 1 p.m.

2. The Stack room is not open to Students or to the public.

3. The books in the Library are classed in two divisions :—1st, Those which may be lent ; and 2nd, those which may not, under any circumstances, be removed from the Library. The classification shall be determined by the Librarian.

4. (a) Students in the Faculties of Arts or of Applied Science, who have paid the Library fee, may borrow books on depositing the sum of \$5 with the Bursar, which deposit, after the deduction of any fines due, will be repaid at the end of the session on the certificate of the Librarian that the books have been returned uninjured.

4. (b) Students in the Faculties of Law, Medicine, or Comparative Medicine, who have paid the Library fee to the Bursar, may read in the Library, and, on depositing the sum of \$5 with the Bursar, may borrow books on the same conditions as Students in Arts. They are required to present their Matriculation Tickets to the Bursar and to the Librarian.

4. (c) Graduates in any of the Faculties, on making a deposit of \$5, are entitled to the use of the Library, subject to the same rules and conditions as Students; but they are not required to pay the annual Library fee.

4. (d) Members of the McGill College Book Club, on presenting annually a certificate of their membership, are by special regulation of Corporation entitled to the use of Library on the same conditions as Graduates, but they are not required to make a deposit.

4. (e) Strangers presenting satisfactory introductions to the Librarian may be allowed, at his discretion, the full use of the Library, until the next Meeting of the Library Committee.

4. (f) Persons, whether members of the University or not, may, at the discretion of the Library Committee, be allowed the use of the Library, on payment of an annual fee of \$10.

5. Borrowers, not being Professors or Lecturers, are entitled to take out books (subject to the regulations), to the number of three volumes at one time; Professors and Lecturers, to the number of twenty volumes at one time.

6. No borrower other than a Professor or Lecturer may keep any book belonging to the Library longer than two weeks, on penalty of a fine of 5cts a volume for each day of detention, but any borrower may renew the loan of a book for fitting reasons. A borrower incurring fines beyond the sum total of \$1 shall be debarred the use of the Library until they have been paid.

10. Before leaving the Library, readers must return the books they have obtained, to the attendant at the Delivery Desk.

All persons using books remain responsible for them, so long as the books are charged to them, and borrowers returning books, must see that their receipt for them is properly cancelled. Damage to, or loss of books shall be made good to the satisfaction of the Librarian and of the Library Committee. Writing or making any mark upon any book belonging to the Library is unconditionally forbidden. Any persons found guilty of wilfully damaging any book in any way shall be excluded from the Library, and shall be debarred from the use thereof for such time as the Library Committee may determine.

16. Silence must be strictly observed in the Library.

#### § X. PETER REDPATH MUSEUM.

1. The Museum will open every lawful day from 9 a.m. till 5 p.m., except when closed for any special reason by order of the Principal or Committee.

2. Students will obtain tickets of admission from the Principal on application.

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3. Students will enter by the front door only, except when going to lectures.
4. Any students wilfully defacing or injuring specimens, or removing the same, will be excluded from access to the Museum for the session.

**§ XI. McDONALD PHYSICS BUILDING.**

The Building contains five storeys, each of 8,000 square feet area. Besides a lecture theatre and its apparatus rooms, it includes an elementary laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced students in Heat and Electricity, a range of rooms for optical work and photography; separate rooms for private thesis work by students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special physical library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the students in practical work; (3) the most recent types of all the important instruments for exact measurement, by first class makers, for use in the laboratories for special work and research.

**§ XII. FEES.**

All fees and fines are payable to the Bursar of the College.

I. *Undergraduates*.—\$37.00 per session, including Library, Gymnasium, Matriculation and the fee heretofore paid for the B.A. degree.

At the September entrance examinations, all candidates must pay a fee of \$5.00 *before the examination*. This will not be returned to those who fail. For those who pass, it will be reckoned as part payment of the sessional fee of \$37.00.

*Matriculation* fee for entrance into the Second Year \$10. (Exigible from those who have failed in the First Year, and re-enter in the Second Year on examination.)

II. *Partial Students*.—\$8.00 per session for one course of lectures, including the use of the Library; \$4.00 per session for each additional course.

Partial Students are also required to pay \$2 yearly for "Athletics and the care of the College grounds," unless they state in writing to the Dean their intention not to use the grounds.

Partial Students taking the full curriculum in any one year pay the same fees as Undergraduates in that year.

*Special Fees.*

<i>Laboratory and Practical Classes, viz., Chemistry, Botany, Physics, each per session (optional).....</i>	\$10 00
<i>Elocution (optional).....</i>	3 00
<i>Petrography (optional).....</i>	5 00
<i>Gymnasium (for partial students), optional.....</i>	2 50
<i>Supplemental Examination, at date fixed by Faculty.....</i>	2 00
<i>Supplemental Examination, when granted at any other time than that fixed by the Faculty.....</i>	5 00

<i>Fee for a certificate of standing, if granted to a student on application.....</i>	1 00
<i>Fee for a certificate of standing, if accompanied by a statement of classification in the several subjects of examination.....</i>	2 00
<i>Examination Fee for Students of Affiliated Theological Colleges who present themselves for the entrance examination without intending to become Undergraduates.....</i>	10 00
<i>Examination Fee, for Students intending to enter the Medical Faculty.....</i>	5 00

"Special" fees are additional to the regular fees paid by Undergraduates or Partial Students, but are payable only for the classes (optional) or objects named above.

N.B.—The lectures in one subject in any one of the four college years constitute a "Course."

All fees for Supplemental Examinations must be paid in the Secretary's office, and the tickets shown to the Dean before the Examination.

*Graduates in Arts* are allowed to attend, without payment of fees, all lectures, except those noted as requiring a special fee.

The fees must be paid to the Secretary, and the tickets shown to the Dean within a fortnight after the commencement of attendance in each session. In case of default, the student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of \$2.

[All fines are applied to the purchase of books for the Library.]

<i>Fee for the degree of M.A.....</i>	10 00*
<i>" " " LL.D.....</i>	50 00*

If the degree of M.A. be granted, with permission to the Candidate, on special grounds, to be absent from Convocation, the fee is \$25.00.

The M.A. or LL.D. fee must be sent with the thesis to the Secretary of the University. This is a condition essential to the reception of the application. The Secretary will then forward the thesis to the Dean of the Faculty.

*Extract from the Regulations of the Board of Governors for Election of Fellows under Chap. V. of the Statutes of the University.*

"From and after the graduation of 1888, all new Graduates shall pay a Registration Fee of \$2.00 at the time of their graduation, in addition to the Graduation Fee; and shall be entered in the University list as privileged to vote, and shall have voting-papers mailed to them by the Secretary."

\* A Bachelor of Arts or a Master of Arts intending to proceed to a higher Degree is required, in addition to the above, to keep his name on the books of the University, by the annual payment of a fee of \$2 to the Registrar of the University. He may, if he prefer it, compound for the above annual fees, by the payment of \$6 in one sum for the Master's Degree, or \$30 for the Doctor's Degree, on or before the date of application for the Degree.

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## § XIII. COURSES OF LECTURES.

## I. ORDINARY COURSE.

## 1. CLASSICAL LITERATURE AND HISTORY.

(MAJOR H. MILLS PROFESSORSHIP OF CLASSICS.)

Professor:—REV. G. CORNISH, M.A., LL.D.

Associate Professor:—A. J. EATON, M.A., PH.D.

Sessional Lecturer:—JOHN L. DAY, B.A., M.D.

## GREEK.

*First Year.*—Homer.—Odyssey, Book XI. Xenophon.—Hellenics, Book I.*Second Year.*—Plato.—Apology. Aeschylus.—Prometheus Vincetus. History of Greece.*Third Year.*—Lysias.—Contra Eratosthenem. Euripides.—Medea.*Fourth Year.*—Demosthenes.—The Olynthiacs.

## LATIN.

*First Year.*—Cicero.—De Amicitia. Sallust.—Catiline. Virgil.—Aeneid, Book VI. Latin Prose Composition and Translation at sight.—Bender's Roman Literature.—History of Rome.*Second Year.*—Livy, Book XXI.—Horace, Epistles, Book I., 1 to 7. Translation at sight of passages from Cicero and Livy, and Latin Prose Composition based upon selections from the same authors.*Third Year.*—Juvenal.—(Selections.) Pliny, Select Letters. Latin Prose Composition.*Fourth Year.*—Tacitus.—Annals, Book II. Latin Prose Composition.

In the work of the Class the attention of the student is directed to the collateral subjects of History, Antiquities and Geography; also to the grammatical structure and affinities of the Greek and Latin Languages, and to Prosody and Accentuation.

The Latin pronunciation adopted in the lectures is based on the scheme issued by the Cambridge Philological Society (London: Trubner & Co.).

In Greek, the system of pronunciation, outlined in the preface of Goodwin's Greek Grammar, is recommended to the attention of students.

Number of lectures in Fourth Year—two weekly, or, at the discretion of the Professor, three.

## 2. ENGLISH LANGUAGE AND LITERATURE.

(MOLSON PROFESSORSHIP.)

Professor:—CHAS. E. MOYSE, B.A.

*First Year.*—English Literature. Two lectures a week. The course will present an outline of English Literature from the Anglo-Saxon Period to the present

day, and will be illustrated by printed syllabuses and lantern slides. The general subject will be divided into four periods (Pre-Chaucerian, Italian, French, Popular), and be approached, for the most part, through literary types. Students are recommended to use Morley's Charts of English Literature.

*Third Year.*—*A.* Chaucer's Prologue to Canterbury Tales. Lectures once a week (Prof. Moyses). *Text-Book.*—Chaucer's Prologue, etc., ed. Morris. *B.* Rhetoric. Lecture once a week (Mr. Lafleur). *Text-Book.*—Genung's Rhetoric.

*Fourth Year.*—English Literature : (*a*) The leading poets of the Nineteenth Century,—one lecture a week. (*b*) In addition to (*a*), students will be examined on characteristic poems of the authors treated. The time to be given to (*b*) may be regarded as equal to that required to obtain a good knowledge of (*a*). The course will be illustrated by printed syllabuses and lantern slides.

### 3. MENTAL AND MORAL PHILOSOPHY.

(JOHN FROTHINGHAM PROFESSORSHIP OF MENTAL AND MORAL PHILOSOPHY.)

Professor :—REV. J. CLARK MURRAY, LL.D.

Lecturer :—PAUL T. LAFLEUR, M.A.

*Second Year.*—First Term.—Elementary Psychology. (*Text-Book.*—Murray's Handbook of Psychology, Book I.) Second Term :—Logic. (*Text-Book.*—Jevons' Elementary lessons in Logic.)\*

*Third Year.*—First Term :—The Logic of Induction, as in Mill's System of Logic, Book III. Second Term :—The Psychology of Cognition, as in Murray's Handbook of Psychology, Book II., Part I.

*Fourth Year.*—First Term :—The Psychological Basis of Ethics. Second Term :—Ethics Proper, comprising the elementary principles of Jurisprudence and Political Science. *Text-Book.*—Murray's Introduction to Ethics.

In the Third and Fourth Years, students are also required to write occasional essays on philosophical subjects.

For Additional Courses see Honour Course.

### 4. FRENCH LANGUAGE AND LITERATURE

Professor :—P. J. DARBY, M.A., B.C.L., LL.D., Officier d'Académie.

Sessional Lecturer :—REV. J. L. MORIN, M.A.

*First Year.*—Darby—Principes de Grammaire française. La Fontaine—Choix de fables. Molière—l'Avare. Dictation. Colloquial exercises.

*Second Year.*—Racine—Esther. Ponsard—l'Honneur et l'Argent. Contanseau—Précis de Littérature Française, depuis son origine jusqu'à la fin du XVIIe siècle. Translation into French :—Dr. Johnson—Rasselas. Dictation. Parsing. Colloquial exercises.

\* The prizes are awarded on the work of the whole Session.

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*Third Year.*—Corneille, *Le Polyeucte*. Cogery—Third French Course. Translation into French :—Johnson—*Rasselas*. Dictation. Contanseau—*Précis de Littérature Française, depuis le XVIIIe siècle jusqu'à nos jours*.

*Fourth Year.*—Cogery—Third French Course. Bonnefon—*Les Ecrivains modernes de la France*. Translation into French :—Morley—*Ideal Commonwealths*. French Composition. Dictation. Corneille, *Le Polyeucte*.

For Additional Courses see Honour Lectures.

*The Lectures in the Third and Fourth Years are given in French.*

## 5. GERMAN LANGUAGE AND LITERATURE.

Lecturer :—L. R. GREGOR, B.A.

*First Year.*—Vandersmissen and Fraser's German Grammar ; Joynes' German Reader ; Dictation ; Colloquial exercises.

*Second Year.*—Vandersmissen and Fraser's German Grammar ; Joynes' German Reader ; Freytag—*Die Journalisten* ; Uhland—*Ballads and Romances* (Macmillan's Foreign School Classics) ; Translation at sight ; Parsing ; Dictation ; Colloquial exercises.

*Third Year.*—Vandersmissen and Fraser's German Grammar ; Lessing—*Minna von Barnhelm* ; Schiller—*Siege of Antwerp* ; History of German Literature ; German Composition ; Dictation.

*Fourth Year.*—German Grammar and Composition ; Goethe—*Aus meinem Leben* ; Schiller—*Wallenstein* ; History of German Literature.

For Additional Courses see Honour Lectures.

## 6. HEBREW AND ORIENTAL LITERATURE.

Professor :—Rev. D. COUSSIRAT, B.A., B.D., D.D., Officier d'Académie.

*Elementary Course.*—Reading and Grammar, with oral and written exercises in Orthography and Etymology.—Translation and Grammatical Analysis of Genesis.—*Text-Books.*—Harper's Elements of Hebrew ; and Introductory Hebrew Method and Manual.

*Intermediate Course.*—Grammar.—Dr. Harper's "Elements" and "Method."—Translation from the Hebrew Bible.—Exercises.—Hebrew into English and English into Hebrew.—Syntax.—Reading of the Masoretic notes.

*Advanced Course.*—Gesenius' Grammar, and Harper's Elements of Syntax.—Exercises continued.—Translation from the Hebrew Bible.—Reading of the Masoretic notes and of the Septuagint Version.

The course comprises Lectures on the above Language and its Literature in particular, its genius and peculiarities, with a general notice of the other Oriental Languages. Comparative Philology, affinity of Roots, etc., also receive due attention, while the portions selected for translation will be illustrated and explained by reference to Oriental manners, customs, history, etc.

For Additional Course see Honour Lectures.

## 7. HISTORY.

Lecturer:—CHARLES W. COLBY, M.A., PH.D.

*Second Year.*—The Political History of Europe from 1789 to the Present Day.  
Two lectures a week.

It is the aim of these lectures to enable the student to follow intelligently the course of modern international relations. The most important subjects to be treated in detail are the French Revolution, the Growth of Democracy and Nationality, and the actual political state of the British Empire.

## 8. MATHEMATICS AND ASTRONOMY.

(PETER REDPATH PROFESSORSHIP OF PURE MATHEMATICS.)

Professor:—ALEXANDER JOHNSON, M.A., LL.D.

Sessional Lecturer:—REV. H. M. TORY, B.A.

*First Year.*—MATHEMATICS.—Arithmetic.—Euclid, Books 1, 2, 3, 4, 6, with definitions of Book 5 (omitting propositions 27, 28, 29 of Book 6); Todhunter's edition—or Hall and Stevens'; the latter is recommended to Candidates for Honours especially. Colenso's Algebra (Part I.) to end of Quadratic Equations.—Galbraith and Haughton's Plane Trigonometry to beginning of solution of Plane Triangles.

*Second Year.*—MATHEMATICS.—Arithmetic, Euclid, Algebra and Trigonometry as before.—Nature and use of Logarithms.—Remainder of Galbraith and Haughton's Plane Trigonometry.

*Third Year.*—(Optional, but open to those only who have studied *Mathematical Physics*).—ASTRONOMY (Lockyer's Elementary Astronomy, English edition; first five chapters, viz.: The Stars and Nebulæ; The Sun; The Solar System; Apparent movements; Time). Students are recommended to use with this an "Easy Guide to the Constellations," by Gall. This subject is taken with Optics.

*Fourth Year.*—ASTRONOMY.—(Optional) Galbraith and Haughton's Astronomy or Brinkley by Stubbs and Brunnow.—This subject is taken with Optics as one course. The lectures will be given before Christmas.

## 9. NATURAL PHILOSOPHY.

(W. C. McDONALD PROFESSORSHIPS OF PHYSICS.)

Professors:— } JOHN COX, M.A.  
                  } HUGH L. CALLENDAR, M.A.

*Second Year.*—ELEMENTARY MECHANICS.—One lecture a week up to March. An examination will be held then, which must be passed in order to secure credit for attendance on the lectures.

*Third Year.*—MATHEMATICAL PHYSICS.—Galbraith and Haughton's Mechanics, viz.: *Statics*, first 3 chapters, omitting sec. 5, chapter 1, and sec. 21, chapter

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2; *Dynamics*, subjects of the first 5 chapters; the corresponding parts of Clerk Maxwell's "Matter and Motion"; Galbraith and Haughton's *Hydrostatics*. The lectures on this subject begun in the previous year will end about Christmas.

(Optional, but open to those only who have studied the above *Mathematical Physics*).—OPTICS (Galbraith and Haughton). The Optics and Astronomy form one course.

*Third Year*.—EXPERIMENTAL PHYSICS.—Laws of Energy.—Heat, Light and Sound.

*Fourth Year*.—EXPERIMENTAL PHYSICS.—Electricity and Magnetism.

LABORATORY COURSE IN PHYSICS.—An Experimental Course requiring two afternoons per week (six hours) to be spent in practical measurements in the McDonald Physical Laboratory, during the Third and Fourth Years, in conjunction with the Ordinary Lecture Courses in Experimental Physics.

*Subjects: Third Year.* (1) Sound—Velocity of Sound; Determination of rates of vibration of Tuning Forks; Resonance; Laws of vibration of strings.

(2) Light—Photometry; Laws of Reflection and Refraction; Indices of Refraction; Focal Lengths and Magnifying Powers of Mirrors, Lenses, Telescopes and Microscopes; the Sextant, Spectroscope, Spectrometer, Diffraction, Grating, Optical Bench, and Polariscopes.

(3) Heat.—Construction and Calibration of Thermometers; Melting and Boiling Points; Air Thermometer; Expansion of solids, liquids, and gases; Calorimetry.

*Fourth Year.*—Magnetism.—Measurements of Pole Strength and Moment of a Magnet; the Magnetic Field; Method of Deflection and Oscillations; comparison of moments and determination of elements of Earth's magnetism. Frictional Electricity. Current Electricity.—Complete course of measurements of Current Strength, Resistance and Electromotive Force; Calibration of Galvanometers; the Electrometer; comparison of Condensers; Electromagnetic Induction.

TEXT-BOOK.—Glazebrook & Shaw's *Practical Physics*.

## 10. GEOLOGY, MINERALOGY AND PETROGRAPHY.

(LOGAN PROFESSORSHIP OF GEOLOGY.)

B. J. HARRINGTON, B.A., Ph.D., F.G.S., Professor of Mineralogy.

FRANK D. ADAMS, M. A. Sc., Ph.D., F.G.S.A., Logan Prof. of Geology and Palæontology.

*Fourth Year* (1)—MINERALOGY AND PETROGRAPHY.—An elementary course, in which attention is given more particularly to such minerals and rocks as are important in Geology or useful in the Arts.

(2) STRUCTURAL AND DYNAMICAL GEOLOGY.—Denudation and Origin of Aqueous Deposits; Constructive Forces; Volcanoes and Earthquakes; Arrangement of Rocks on the large scale; Field Geology and Construction of Geological Maps and Sections.

(3) **CHRONOLOGICAL GEOLOGY AND PALÆONTOLOGY.**—Classification of Formations; Geological Periods; Mineralization and Classification of Fossil Remains; History of the several Periods with the Fauna and Flora of each Distribution, more especially in Canada.

Saturday excursions will be made to points of interest, and Museum demonstrations will be given.

**TEXT-BOOKS.**—Dawson's Handbook of Geology, Dana's Manual of Mineralogy. Books of reference will be indicated in the Library.

Students in Natural History are entitled to tickets of admission to the Museum of the Natural History Society of Montreal.

For Additional Departments see Honour Course, II., *infra*.

The Geology course is especially fitted to those students who have taken the Natural Science studies of the previous years, but others are not excluded.

## 11. ZOOLOGY.

Lecturer:—W. E. DEEKS, B.A., M.D.

*Third Year.*—This course comprises:—Elementary Physiology based on Huxley's lessons; a general account of Embryology; the morphology, development and classification of the Invertebrata, with a general description of their habits, modes of life, etc.; and the comparative anatomy and classification of the Vertebrata. As far as possible, the Natural History of the Canadian Fauna, more especially, will be described.

In addition, weekly demonstrations are given in the Museum on dry and alcoholic preparations, both macro and microscopical, illustrating the lectures.

**TEXT-BOOK.**—Dawson's Handbook, with some additional work, which will be announced at the beginning of the session.

*Fourth Year.*—Additional Course. Two afternoons during the week. The preparation and study of animal tissues microscopically. This includes killing, hardening, sectioning, staining, mounting, etc. Practical Anatomy with lectures. The animals dissected will be representative types both Vertebrate and Invertebrate.

**TEXT-BOOK.**—Marshall and Hurst's Practical Zoology. A fee of \$10 will be charged for the use of instruments, reagents and material.

## 12. BOTANY.

Professor:—D. P. PENHALLOW, B.Sc.

Demonstrator:—C. N. DERICK, B.A.

*Second Year.*—This course is designed to give the Students a thorough acquaintance with the principles of morphology and classification, the elements of histology and the most prominent physiological functions of the plant. The Flora of Canada will be given prominence as far as possible, and in descriptive work, constant use will be made of the large Herbarium and of the Botanic Garden. So far as time may permit, weekly excursions will be made for field study of plants.

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TEXT-BOOKS.—Gray's Structural Botany. Gray's Manual. Penhallow's Classification. Penhallow's Guide to the Collection of Plants.

*Third Year.*—ADDITIONAL COURSE. *Vegetable Anatomy.*—Two lectures with practical work each week. Microscopical manipulations, micro-chemical reactions, general histology of Spermaphytes. Microscopical Drawing.

*Fourth Year.*—ADDITIONAL COURSE. *Vegetable Anatomy.*—Two lectures with practical work each week. A continuation of the Course in the Third Year embracing a study of the structure and life history of Pteridophytes, Bryophytes and Thallophytes. No student will be admitted to the course in the Fourth Year without having followed that for the Third Year.

TEXT-BOOKS.—Strasburger's Vegetable Histology. Goebel's Outlines of Classification and Special Morphology.

*Fee for Additional Course*, \$10 per session for use of instruments and reagents.

A prize will be awarded to the student showing the greatest proficiency in the work of the two years.

### 13. CHEMISTRY.

(DAVID J. GREENSHIELDS PROFESSORSHIP OF CHEMISTRY AND MINERALOGY.)

Professor:—B. J. HARRINGTON, B.A., PH.D.

Lecturer:—NEVIL NORTON EVANS, M.A.SC.

*First Year.*—A course of Lectures preparatory to the course in Natural Science. The lectures are illustrated by experiments, and treat of the Elementary Constitution of matter, the Laws of Chemical Combination by weight and volume, the Atomic Theory, Quantivalence, Chemical Formulæ and Equations, Chemical Attraction, characteristics of Acids, Bases and Salts, Compound Radicals, the preparation and properties of the principal Elements, and many of their compounds, etc. A few Lectures are usually devoted to the consideration of some of the more important Organic Substances, including Starch, Sugars, the Vegetable Acids and Alkaloids, Alcohol, etc. During the course, attention is called as far as possible to the relations of Chemistry to various manufacturing industries.

TEXT-BOOK.—Remsen's Introduction to the study of Chemistry.

*Third Year.*—ADDITIONAL DEPARTMENT (*The Chemistry of the Metals, or Organic Chemistry*).—One lecture a week. (*Practical Chemistry*).—Qualitative Analysis, as in Fresenius' Qualitative Chemical Analysis, two afternoons a week.

*Fourth Year.*—ADDITIONAL DEPARTMENT.—A course of Practical Chemistry, in continuation of that of the Third Year.

NOTE.—The chemical laboratories are capable of accommodating about sixty Students, and afford excellent facilities for practical work. Students in Arts taking classes in Practical Chemistry pay a special fee of ten dollars for the session.

## 14. METEOROLOGY.

Superintendent of Observatory :—C. H. McLEOD, MA.E.

Instructions in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the senior students.

Certificates will be granted to those students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

## 15. PEDAGOGY.

Lectures on this subject will be given in the Normal School to undergraduates of the Third and Fourth Years who wish to obtain the Provincial Academy Diploma.

Lecture hours : 3 p.m. Tuesday and Friday.

## 16. ELOCUTION.

Instructor : J. P. STEPHEN.

Instruction is given in this subject at hours that may be settled at the beginning of the session. Special fee for session \$3.

## 17. PHYSICAL CULTURE.

Medical Examiner and Instructor :—R. T. MACKENZIE, B.A., M.D.

The classes will meet at the University Gymnasium, at hours to be announced at the commencement of the Session. The Wicksteed silver and bronze medals (the gift of Dr. R. J. Wicksteed) are offered for competition to students of the Graduating Class and to students who have had instruction in the Gymnasium for two sessions,—the silver medal to the former, the bronze medal to the latter (See Regulations appended.)

## II. HONOUR COURSES.

## 1. CLASSICS.

## THIRD YEAR.

*Greek.*

*Greek Authors* :—Plato, Apology, Crito, Laches and Euthyphro; Herodotus, Bk. VII.; Thucydides, Bk. VI.; Euripides, Medea. The Authors to be read in class will be selected at the beginning of the session.

2. *Translation at sight* from the works of Xenophon and Homer, and *Greek Prose Composition*.
3. *History of Greece* (Selections from Grote); Mahaffy's *History of Greek Literature* (Selections).
4. *General Paper* on Grammar, Antiquities, Mythology and Philology.

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*Latin.*

1. *Latin Authors* :—Cicero, Select Letters, and De Officiis, Bk. III. ; Lucretius (Selections); Sallust, Catiline and Jugurtha; Catullus (Selections); Horace, Epistles, Bks. I. and II; Tibullus and Propertius (Selections). Livy, Bks. XXI.-XXIV.
2. *Sight Translation* from Caesar, Nepos, Virgil, Ovid and Livy, and *Latin Prose Composition*.
3. *History of Rome* (Selected portions of Mommsen); Teuffel's or Cruttwell's *History of Roman Literature* (Golden Age of Roman Literature).
4. *Grammar: Mythology and Antiquities*. A paper testing the candidate's general knowledge of classical philology will be given. The following works are recommended for this purpose:  
Gow's Companion to School Classics (2nd Edition). Murray's Manual of Mythology. Giles, A short Manual of Philology for Classical Students. Madvig's Latin Grammar (rev. by Thacher). Guhl and Kohner's Life of the Greeks and Romans.

## FOURTH YEAR.

- Part I.*—(1) *Greek Authors* :—Aeschylus, Prometheus Vincetus; Sophocles, Antigone; Euripides, Medea; Herodotus, Bk. IX.; Xenophon, Hellenics, Bks. I. and II.; Aeschines, Contra Ctesiphontem. (2) *Latin Authors* :—Horace, Epistles, Bk. I.; Juvenal, Satires VIII. and XIII.; Persius, Satires V. and VI.; Livy, Bk. XXI.; Tacitus, Annals, Bk. II.; Cicero De Officiis. (3) *Greek and Latin Prose Composition* :—As in Arnold's Greek Prose and Smith's Principia Latina, Part V. *Part II.*—(1) *Greek* :—Plato, Republic, Books I. and II.; Aristotle, The Poetics; Thucydides, Books VI. and VII.; Hesiod, Works and Days; Aeschylus, Seven against Thebes; Aristophanes, The Frogs; Pindar, Olympic Odes; Theocritus, Idylls I. to VI.; Demosthenes, De Corona. (2) *Latin* :—Livy, Bks. XXII. and XXIII.; Tacitus, Annals, Book I.; Tacitus, Histories, Book I.; Virgil, Aeneid, Books I. to IV.; Plautus, Aulularia; Terence, Adelphi; Juvenal, Sat. X.; Cicero De Imperio Cn. Pompeii. (3) *History of Greece and Rome* :—*Text-Books.*—1 Grote's History of Greece. 2. Arnold's History of Rome. 3. Mommsen's History of Rome. 4. Mahaffy's History of Greek Literature. 5. Cruttwell's History of Roman Literature. 6. Cruttwell and Banton's Specimens of Roman Literature. 7. Haigh's Attic Theatre. (4) *Composition* :—Composition in Greek and Latin Prose. 5. General Paper on Grammar, History and Antiquities.

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 2. MENTAL AND MORAL PHILOSOPHY.

## THIRD YEAR.

- Part I.*—Schwegler's History of Philosophy, Chapters 1-21 inclusive; Mill's System of Logic, Books IV. and V.; James' Principles of Psychology Chapters 10-16 inclusive; selected portions from Thomson's Outline of the

Laws of Thought, from Jevons' Principles of Science, and from Venn's Empirical Logic. Any two of these subjects, along with the Honour Lectures, may be taken as the Additional Course.

*Part II.*—Plato's Theaetetus; Fraser's Selections from Berkeley.

## FOURTH YEAR.

*Part I.*—Erdmann's History of Philosophy, Vol. II. (Engl. Transl.); James, Principles of Psychology, Vol. II.; Spencer's First Principles; Watson's Comte, Mill and Spencer: an Outline of Philosophy; Mill's System of Logic, Book VI. Any two of these subjects along with the Honour Lectures may be taken as the Additional Course.

*Part II.*—Aristotle's Nicomachean Ethics; Zeller's Stoics, Epicureans and Sceptics; Spinoza's Ethics; Watson's Selections from Kant; Maine's Ancient Law.

N.B.—The class essays of Candidates for Honours are expected to display superior ability in the discussion of philosophical subjects

## 3. ENGLISH AND HISTORY.

## (A). ENGLISH LANGUAGE AND LITERATURE.

LECTURES.—The following subjects and authors in the courses given below will be treated in lectures:—

*Third Year.*—Anglo-Saxon and Early English (including Chaucer), two lectures a week. In this course textual reading will be supplemented by notes on the historical development of English word-forms and on Teutonic philology. Milton, Spenser (one lecture a week), Dryden, Addison, Wordsworth (one lecture a week).

*Fourth Year.*—Anglo-Saxon (one lecture a week), Moeso-Gothic and Early English (one lecture a week), Shakspeare and Pope (one lecture a week), Shelley, Tennyson and Browning (one lecture a week).

## THIRD YEAR.

AUTHORS. *Part I.*—Early English; Morris and Skeat, Part II., Extt. I-IX., inclusive Spenser—Faerie Queene, Bk. I.; Milton—Comus; Burke—Reflections on the French Revolution. (The above mentioned portion of the Honour work constitutes the Additional Course of the Third Year.) Sweet's Anglo-Saxon Reader; Extt. IV., VIII. and XXI.; Dryden—Annus Mirabilis; Absalom and Achitophel, Part I.; the Preface to the "Fables."

*Part II.*—Sweet's Anglo-Saxon Reader; the pieces in verse; Chaucer—Assembly of Foules (ed. Lounsbury); Sidney—An Apology for Poetry (ed. Cook); Milton—Shorter English Poems; Areopagitica (ed. Hales); Addison—Essays on Paradise Lost and on the Imagination (Spectator); Wordsworth—Prelude (Moxon's ed.); Leslie Stephen—English Thought in the Eighteenth Century, Vol. II, chap. X., sections V. to X. inclusive.

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## FOURTH YEAR.

**AUTHORS.** *Part I.*—Sweet's Anglo-Saxon Reader, Extt. II., XIII., XX.; Pope—*Essay on Criticism, Essay on Man*; Milton—*Lycidas*; Shelley—*Adonais*; Tennyson—*In Memoriam*. (The above-mentioned portion of the Honour work constitutes the Additional Course of the Fourth Year.) Early English; Morris and Skeat, Part II., Extt. X-XX inclusive; Shakspeare—*Love's Labour Lost—A Midsummer Night's Dream—Hamlet* Matthew Arnold—*Essays in Criticism* (the second series).

*Part II.*—Portion of *Beowulf* (ed. Harrison and Sharp); *Moeso-Gothic, the Gospel of St. Mark* (ed. Skeat); *Sir Thomas More—Utopia* (ed. Arber); Villiers—*Rehearsal* (ed. Arber); Campbell—*Pleasures of Hope*; Tennyson—*Coming of Arthur, Gareth and Lynette, Holy Grail, Passing of Arthur*; Browning—*Christmas Eve and Easter Day*.

## (B). HISTORY.

## THIRD AND FOURTH YEARS.

(a). The History of Europe from the Reformation to the French Revolution. Two lectures a week and a Thesis.

The subjects to be discussed at greatest length are as follows:—Humanism to the North of the Alps; the Reformation as a European Movement; The Catholic Reaction; the Dutch Republic; Parliament and the Stuarts; the Decline of Spain; the Thirty Years War; Absolutism in France; the Rise of Prussia; the Wars and Diplomacy of the 18th Century; the Foundation of the Colonial Empire of Great Britain. Lectures will also be given on leading topics connected with the intellectual history of the 16th, 17th and 18th centuries.

(b). Studies in European Democracy prior to the French Revolution. Two lectures a week.

## 4. MATHEMATICS AND PHYSICS.

*First and Second Years.*—MATHEMATICS.—Hall and Stevens' *Euclid*; McDowell's *Exercises in Modern Geometry*; Hall and Knight's *Advanced Algebra*; Todhunter's or Burnside and Panton's *Theory of Equations* (selected course); Lock's *Higher Trigonometry*, with McClelland and Preston's *Spherical Trigonometry, Part I.*; Salmon's *Conic Sections*, chapters 1, 2, 3, 5, 6, 7, and 10 to 13 inclusive Williamson's *Differential and Integral Calculus* (selected course).

*Third Year.*—MATHEMATICAL PHYSICS.—Part I.—Minchin's *Statics, Vol. I.* selected chapters. Williamson and Tarleton's *Dynamics*, Chaps. 1 to 8 inclusive. Part II.—Remainder of Minchin's *Statics, Vol. I.*, Besant's *Hydro-Mechanics, Part I.*, chaps. 1, 2, 3, 7; Godfray's *Astronomy*; Parkinson's *Optics*. MATHEMATICS.—*Calculus and Geometry of Three Dimensions in alternate years.*

## B.A. HONOUR COURSE.

*Part I.*—MATHEMATICAL PHYSICS.—Honour Course of the Third Year (the whole).

PURE MATHEMATICS—Williamson's Differential and Integral Calculus; Salmon's Geometry of Three Dimensions (selected course).

*Part II.*—PURE MATHEMATICS.—Boole's or Forsyth's Differential Equations (selected course). MECHANICS.—Minchin's Statics, Vol. II., except chapters 14 and 18. Williamson's and Tarleton's Dynamics (the whole, including the Dynamics both of Rigid Bodies and of a particle). Routh's Dynamics of a Rigid Body (for reference). Besant's Hydro-Mechanics.

PHYSICAL ASTRONOMY.—Godfray's Lunar Theory, or Cheyne's Planetary Theory; Newton's Principia, Lib. I., Sects. 1, 2, 3, 9 and 11.

LIGHT.—Preston's Theory of Light.

ELECTRICITY AND MAGNETISM.—Ordinary Course, with Cumming's Theory of Electricity and Maxwell's Elementary Electricity, or Emtage's Electricity and Magnetism.

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ACOUSTICS } As in ordinary course.

## 5. GEOLOGY AND NATURAL HISTORY.

## THIRD YEAR.

*Part I.*—*Mineralogy.*—Crystallography. Physical properties of minerals dependent upon light, electricity, state of aggregation, etc. Chemical composition. Principles of classification. Description of species important as constituents of rocks. (One lecture weekly during the First Term, and two during the Second.)

*Part II.*—*Blowpipe Analysis and Determinative Mineralogy.*—One afternoon weekly in the Laboratory during the session. *Text-Book.*—Brush's Determinative Mineralogy and Blowpipe.

Instructions will be given to the class for study and collection in the vacation

## B.A. HONOUR COURSE.

*Part I.*—(1) *Mineralogy.*—Description of mineral species, particular attention being called to the Economic Minerals of Canada, Calculations of Mineralogical Formulæ, Quantivalent Ratios, etc. (Two lectures weekly in the First Term.)

(2) *Palæontology.*—Being an extension of that in the Third Year, with special studies of the more important groups of Fossils. One lecture and one demonstration weekly in the First Term.

*Part II.*—(3) *Petrography.*—Essential and accessory constituents of Rock. Macroscopic and microscopic characters. Preparation of Rock-sections. Microscopic examination of Minerals and Rocks. Principles of classification. Description and determination of Rocks. (One lecture weekly in the Second Term, with additional practical work and demonstrations.)

(4) *Canadian Geology.*—Special studies of the Geology of the Dominion of Canada. (One lecture weekly in the Second Term.)

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(5) *Practical and Applied Geology*.—Including methods of observing and recording geological facts, and searching for mineral deposits.—Origin and mode of occurrence of ore deposits (one lecture weekly in the Second Term), with additional practical work and demonstrations.

During the second term, four hours a week will be devoted to practical work and demonstrations, which will include each week a colloquium on some Geological question.

TEXT-BOOKS.—Dana, Geikie, Dawson, Kemp, Nicholson, Survey Reports, etc.

Candidates for Honours will be expected to attain such proficiency as to be able to undertake original investigations in some at least of the subjects of study.

Students in the Faculty of Applied Science may be Candidates for Honours.

#### ADDITIONAL DEPARTMENT.

*Third Year*.—Mineralogy as in Part I. above.

*Fourth Year*.—Palæontology and Practical Geology as in Parts I. and II. above.

Or the student may take the Lectures in Mineralogy instead of Palæontology, or those in Petrography or Canadian Geology instead of Practical Geology.

### 6. MODERN LANGUAGES.

(French and German, both of which must be taken.)

#### THIRD YEAR.

*Part I*.—FRENCH.—La Fontaine:—Les Fables. Racine:—Les Plaideurs. Paul Albert:—Littérature de XVIIe siècle. Translation into French—Goldsmith:—The Vicar of Wakefield. Corneille:—Horace.

GERMAN.—A special study of Goethe's Faust (Part I.); Schiller—Wilhelm Tell; Macmillan's German Composition.

(Either of the above may be taken as the Additional Course in the language to which it belongs. See § III.)

The Ordinary Course in French and German must also be taken. See § III.

*Part II*.—FRENCH.—Racine:—Phèdre, Les Plaideurs. Boileau:—L'Art Poétique. Pascal:—Les Pensées. Clédat:—Grammaire Élémentaire de la vieille langue française.

GERMAN.—Lessing.—Nathan der Weise; Schiller.—Don Carlos; Heine.—Die Harzreise; History of German Literature (Kluge).

#### FOURTH YEAR.

*Part I*.—FRENCH.—Clédat, Grammaire Élémentaire de la vieille langue française. Paul Albert:—La Littérature Française dès les origines à la fin du XVIe siècle. Emile Souvestre:—Un Philosophe sous les toits. Translation into French:—As You Like it.

GERMAN.—Lessing.—Laokoon; Behaghel's Deutsche Sprache; Schiller's Jungfrau von Orleans; Macmillan's German Prose Composition.

(Either of the above may be taken as the Additional Course in the language to which it belongs)

The Ordinary Courses in French and German must also be taken.

*Part II.—FRENCH.*—Molière :—Le Misanthrope. Victor Hugo :—Hernani, La Rochefoucaud :—Les Maximes. Montaigne :—Les Essais (Extraits par Eug. Voizard). Clédat, Grammaire Élémentaire de la vieille langue française. Constans :—Chrestomathie des anciens textes français.

*GERMAN.*—Goethe.—Hermann und Dorothea; Schiller—Maria Stuart; Scheffel.—Trompeter von Sakkingen. Selections from Heine's Lyrical Poems; Zarncke—Das Nibelungenlied; History of German Literature. (Kluge); Original Compositions in German.

For First and Second Rank Honours, the successful Candidates must be capable of speaking and writing both languages.

### 7. SEMITIC LANGUAGES.

#### THIRD YEAR.

*Part I.—Hebrew.*—Genesis, Isaiah, 40-66. Ecclesiastes.—*Literature.* F. Lenormant; The beginnings of History.

*Part II.—Aramaic.*—Daniel, Ezra; Selections from the Targums. *Literature.*—Sayce; Lectures on the Origin and Growth of Religion.

#### FOURTH YEAR.

*Part I.—Hebrew.*—Malachi, Psalms, 1-72; Job, 26-42. *Literature.*—Renan: A General History of the Semitic Languages.

*Part II.—Syriac.*—Selections from the Peshito, and from the Chronicles of Bar Hebræus.—*Literature.*—W. Wright: Comparative Grammar of the Semitic Languages.

#### ADDITIONAL COURSE.

Part II. of each year (Literature excepted), along with the Honour Lectures.

LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS,  
SESSION OF 1895-96.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
9	Latin.				

**LECTURES IN THE UNDERGRADUATE COURSE IN THE FACULTY OF ARTS,  
SESSION OF 1895-96.**

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
<b>FIRST YEAR</b> 9 10 11 12	Latin, Mathematics, * French, Elementary Chemistry.	† Mathematics. * Hebrew. * German. * French.	Mathematics, Latin, * German, English.	† Mathematics, * French, * Hebrew. * German. Latin.	Mathematics, Greek, English, Elementary Chemistry.
<b>SECOND YEAR</b> 9 10 11 12	* French, Greek, Mathematics, Botany. † Mathematics.	Logic, * German, Latin, Math. Phy.	* French, Logic, Botany, † Mathematics, Latin (a).	* Hebrew, Logic, Latin, Modern History.	* French, * German, † Mathematics, Greek, Modern History.
<b>THIRD YEAR</b> 9 10 11 12	English, † Geology, (b) German, † Math, Physics, † Mental Philosophy, † Mental Philosophy, † Latin, † Math.	Greek, French, † Ment. Phil., † Latin, Zoology, Experimental Physics.	† Greek, † Math, Phys, † Anglo-Saxon, Math, Physics, Mental Phil., Hebrew, Latin, † Syr'ac.	Greek, French, Chemistry, Hebrew, Zoology, Experimental Physics.	German, † Math, Phys, † Greek, † English, † Mineral-Rhetoric, † Syriac, etc, Math, Physics, Latin.
<b>FOURTH YEAR</b> 9 10 11 12	Exp. Physics, Geology, Latin, † Geology, † Math, Moral Phil.	Astronomy, (a) † Mineralogy, French, † Ment. Phil., Moral Phil. † Math, Phys, † Chaldee.	Geology, † Greek, † Math, † Astronomy, Greek, † Mineralogy (a), Hebrew.	Exp. Physics, German, History, † Mental Phil, Hebrew, † Moral Philosophy, † Chaldee, Astronomy, (a)	† Greek, † Math, Phys, Geology, French, † Geology, † Anglo-Saxon and Early English, German.

(a) During First Term. (b) Second Term. † For Candidates for Honours.  
 \* The student may take at his option French or German in the first two years, or, if a Theological Student, Hebrew.  
 Library open every day, 9 to 6 and 8 p.m. to 10 p.m. during session. The Museum will be opened as arranged by the Principal.  
 Determinative Mineralogy, Wednesday, at 2 p.m. Practical Chemistry, at 2 p.m., for 3rd and 4th Years; First Year with the Class in Applied Science.

# Special Course for Women.

IN THE FACULTY OF ARTS.

DONALDA ENDOWMENT.

Professors and Lecturers (as on page 1). Lady Superintendent, Miss HELEN GAIRDNER.

The classes for women under this endowment are wholly separate, except those for Candidates for Honours (including most of the additional courses in the Third and Fourth Years). The examinations are identical with those for men. Women will have the same privileges with reference to Classing, Honours, Prizes and Medals as men.

Regulations for Examinations, Exemptions, Boarding-Houses, Attendance, Conduct, Library and Museum are the same as for men. Undergraduates wear the Academic Dress; others do not.

In September, 1895, a Scholarship, value \$125 yearly (tenable for two years), will be offered for competition in Mathematics to Students of the Third Year. The course is the same as for the Mathematical Scholarship open to men.

The *Jane Redpath Exhibition* is open for competition, at the beginning of the First or Second Year, to both men and women.

Two other Exhibitions (one of the value of \$100, along with free tuition, the other \$120 without free tuition) are open for competition in the First or Second Year to Students of the Donalda Department only. For course see §II. *ante*. Candidates for these Exhibitions are allowed, according to the general rule of the Donalda Department, to substitute an additional modern language for Greek in the examination. In this case, while the regulation concerning one modern language will for Entrance only be as in §II. *ante*, the course in that which is to be substituted for Greek in the Exhibition Examination will be:—

For First Year:—

*French*:—Grammar—Darey's Principes de Grammaire française.—La Fontaine's Fables. Molière—Le Bourgeois Gentilhomme. Sardou—Mlle de la Seiglière. Translation from English into French.

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or *German*.—German Grammar and Composition; Adler's Reader—First and Second Sections; Schiller—Der Gang nach dem Eisenhammer, Das Lied von der Glocke; Stifter's Haidedorf (Heath & Co.); Translation from English into German.

N.B.—For Adler's Reader, substitute in 1896, Theodor Storm's Immensee and von Hillern's Hoher als die Kirche (both published by Heath & Co.).

For Second Year :—

*French*.—Eugène Voizard, Essais de Montaigne. Lamartine, Jeanne d'Arc. CORNILLE, Cinna.

or *German*.—Schiller—Der Neffe als Onkel, Egmont's Leben und Tod, Der Geisterseher, Die Kraniche des Ibykus; German Grammar and Composition; Translation of French and English into German.

One free tuition may be awarded to a Candidate who approaches very near to the winner of either of the Exhibitions.

The income of the *Hannah Willard Lyman Memorial Fund* will be given in prizes.

### I. MATRICULATION AND ADMISSION.

*Classics*.—I. *Latin*.—Caesar, Bell. Gall., Books I. and II.; and Virgil, Aeneid, Book I; Latin Grammar.

*Greek*.—Xenophon, Anabasis, Book I.; Greek Grammar.

Candidates who cannot pass in Greek may substitute an additional modern language, subject to the same regulations throughout the course of four years. In and after 1895, there will be an entrance examination in German for such candidates.

An equivalent amount of other books or other authors in Latin and Greek than those named may be accepted by the Examiners, on application made through the Professor of Classics.

*Mathematics*.—Arithmetic, including a knowledge of the Metric System; Algebra to Quadratic Equations (inclusive) as in Colenso; Euclid, Books I., II., III.

*English*.—Writing from Dictation. A paper on English Grammar, including *Analysis*. A paper on the leading events of English History. Essay on a subject to be given at the time of the Examinations.

*French*.—Grammar up to the beginning of Syntax. An easy translation from French into English. Candidates taking Greek and unable to take French are not excluded, but will be required to study German after entrance. This regulation holds good only until 1895.

*German*.—First eighty pages of Joynes' German Reader, or equivalent, German Grammar.

For 1895 the requirements for the A.A. or an equivalent will be accepted.

(Associates in Arts, who, at their special Examination, have passed in Latin, Algebra and Geometry, are not required to present themselves for the Matriculation Examination in these subjects.)

**PARTIAL STUDENTS.**—Candidates unable to pass in all the above subjects may be admitted as Partial Students, in the separate classes; if prepared to enter in three of the subjects of the ordinary course of study, they may in the First Year make good their standing as Undergraduates at the Christmas or Sessional Examinations.

## II. ORDINARY COURSE OF STUDY FOR THE DEGREE OF B.A.

*In separate Classes.*

**First Year.**—Classics; French or German; English Grammar and Literature; Pure Mathematics; Elementary Chemistry.

The first year course in German is as follows:—

*German:* Vandersmissen and Fraser's German Grammar; Joynes' German Reader; Freytag — Die Journalisten; Dictation; Colloquial exercises.

**Second Year.**—Classics; French or German; English Literature; Elementary Psychology and Logic; Pure Mathematics and Mathematical Physics; Botany.

**Third Year.**—Latin or Greek; Mathematical Physics (Mechanics and Hydrostatics); with any three subjects out of the two following divisions, at the option of the Student, provided two be selected from one division and one from the other:—

*I. Literature, etc.*—(a) Greek or Latin, according as Latin or Greek has been previously chosen. (b) French or German (whichever has been taken in the first two years). (c) English and Rhetoric. (d) Mental Philosophy.

*II. Science.*—(e) Optics and Descriptive Astronomy. (f) † Experimental Physics. (g) Natural Science (Zoology).

**Fourth Year.**—Latin or Greek, same Language as in Third Year; Mathematical Physics (as in Third Year), or Astronomy and Optics; Moral Philosophy, with any three subjects out of the two following divisions, at the option of the Student, provided two be selected out of the one division, and one out of the other.

*I. Literature, etc.*—(a) Greek or Latin, according as Latin or Greek has been taken above. (b) French or German, same language as in Third Year. (c) History.

*II. Science.*—(d) Astronomy and Optics, if not chosen as above. (e) † Experimental Physics. (f) Natural Science (Geology).

† Undergraduates claiming exemptions (see § V.) cannot take Astronomy and Optics or Experimental Physics if they have not taken the Third Year Mathematical Physics.

Instead of two distinct subjects in one of the above divisions, the student in either Third or Fourth Year may select one subject only, together with an additional course in the same, or any other of these subjects under the above rules (if arrangements be made by the Faculty for it), provided she has been placed in

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the first class in the corresponding subject at the preceding Sessional Examination (viz., Intermediate or Third Year, according to standing).

The additional course is intended to be more than an equivalent, in the amount of work involved, for any of the other subjects in the Division.

Additional courses are provided at present in Botany and Practical Chemistry  
*Gymnastics*.—A class will be conducted by Miss Barnjum, which will be optional and open to Partial Students.

*Elocution*.—Instruction in this subject will be given to those who desire it, by Mr. J. P. Stephen. Special fee for session, \$3.

#### HONOUR COURSES AND ADDITIONAL COURSES.

(*In Mixed Classes*.)

Undergraduates desirous to take one of the Honour Courses in Classics, Mathematics, Mathematical Physics, Mental and Moral Philosophy, English Language and Literature, History, Geology and other Natural Sciences, Modern Languages, or such portions of the Honour Courses as constitute the "Additional Courses," may in the Third and Fourth Years obtain exemptions to the same extent as those given to men, but must take the same lectures with men.

Details will be found in Section XIII. of the Calendar.

### III. DEGREES.

Students are admissible to the degrees of B.A., M.A., and LL.D., conferred in the usual way, on the usual conditions; and will be entitled to all the privileges of these degrees, except that of being elected as Fellows.

### IV. FEES.

The fees are the same as for men (see Section XII., *ante*).

The fees are to be paid to the Registrar of the University, from whom tickets for the Library and copies of the Library Rules may be obtained.

Exemptions from fees may be allowed to the highest pupil of the Girls' High School of Montreal and of other Schools, on the same terms as to men.

One exemption from tuition fees is annually allowed to the pupil (boy or girl) of the Montreal High School holding an exemption from the Schools of the Protestant Commissioners, Montreal, who has taken the highest marks at the A. A. Examinations and is recommended by the Commissioners.

### V. LODGINGS, &c.

Women not resident in Montreal, proposing to attend the classes, and desiring to have information as to suitable lodgings, are requested to intimate their wishes in this respect to the Registrar of the University, at least two weeks before the opening of the session.

Students desiring information as to the above or other matters are referred to the Lady Superintendent, who will be found in her office in the rooms of the Donalds Department, every day during the session, except Saturday.

LECTURES OPEN TO PARTIAL STUDENTS, SESSION 1895-96.

CHEMISTRY :—*Dr. Harrington.* Tuesday and Thursday at 12.

BOTANY :—*Prof. Penhallow.* Monday at 11, Wednesday at 12.

ZOOLOGY :—*Dr. Deeks.* Tuesday and Thursday at 12.

GEOLOGY :—*Dr. Adams.* Monday at 12, Friday at 9 a.m., and Wednesday at 10 a.m.

EXPERIMENTAL PHYSICS :—*Professor Coz and Prof. Callendar.* Tuesday and Thursday, at 10 a.m.

PSYCHOLOGY AND LOGIC :—*Rev. Dr. Murray and Mr. Lafleur.* Wednesday and Friday at 2 p.m., and Monday at 12.

MENTAL PHILOSOPHY :—*Rev. Dr. Murray and Mr. Lafleur.* Monday and Wednesday at 3 p.m.

MORAL PHILOSOPHY :—*Rev. Dr. Murray.* Tuesday, Wednesday and Thursday at 12.

RHETORIC :—*Mr. Lafleur.* Tuesday at 11 a.m.

ENGLISH :—*Prof. Moyse.* Language and Literature, Tuesday and Thursday at 11 a.m., Monday at 10 a.m., and Wednesday at 11 a.m.

HISTORY :—*Dr. Colby.* Wednesday and Friday at 3 p.m.

LATIN\* AND GREEK\*. FRENCH\*. GERMAN\*. MATHEMATICS\*. MATHEMATICAL PHYSICS\*.

Those Courses in which two lectures weekly are delivered will each amount to about 45 lectures, and the others in proportion.

\*The lectures on these subjects extend over all the Years of the Course, and the hours will depend on the standing of Students with respect to previous preparation as ascertained by examination.

*ORDI	
YEARS	Hou
FIRST YEAR.	10
	11
	12
SECOND YEAR.	2
	3
	9
THIRD YEAR.	10
	11
	12
FOURTH YEAR.	2
	3
	4
FIFTH YEAR.	9
	10
	11
	12

(a) During For Cand

## FACULTY OF ARTS, 1895-6.

## \*ORDINARY LECTURES IN THE DONALDA SPECIAL COURSE FOR WOMEN.

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY
FIRST YEAR.	10	Greek.	English.		†Mathematics.	
	11	German.	† Mathema- tics.	Latin.	English.	Greek.
	12		Chemistry.	Mathematics.	Chemistry.	Latin.
	2	Mathematics	French.		French.	Mathematics.
	3	Latin.			German	
SECOND YEAR.	9			Latin (a).		
	10	Mathematics.	† Math.	French.	Greek.	Latin.
	11	Botany.	Math. Phys.		† Mathematics.	German.
	12	Logic.	Latin.	Botany.		† Mathematics
	2			Logic.		Logic.
	3	German.	Greek.	Mod. History.	French.	Mod. History.
THIRD YEAR.	9					
	10	English.	Greek, Exp. Physics.		Greek, Exp. Physics.	French.
	11	French.	Rhetoric.	Latin.	Math. Physics.	
	12	Latin.	Zoology.		Zoology.	Math. Physics
	2				German.	
	3	Metaphysics.		Metaphysics.		
	4	German.				
FOURTH YEAR.	9	Astronomy (a)		German.		Geology.
	10	French	Exp. Physics.	Geology.	German, Exp. Physics.	French.
	11		Latin.	English Lit. ▲Astronomy (a).	Greek, Math. Physics.	
	12	Geology.	Moral Phil.	Moral Phil.	Moral Phil.	Math. Phys.

(a) During First Term.  
For Candidates for Honours.

# Faculty of Applied Science.

THE PRINCIPAL (*ex officio*).

Professors :—HARRINGTON. Professors :—CARUS-WILSON.  
BOVEY. COX.  
MCLEOD. NICOLSON.  
CHANDLER. CALLENDAR.

Associate Professor :—BAMFORD.  
Lecturers :—CARLYLE. Lecturers :—EVANS.  
LEA. SMITH.

Demonstrators :—TORY. PITCHER. BRODIE. HERDT.

With the foregoing are associated the following Professors and Lecturers in the Faculty of Arts :

Professors :—MOYSE Lecturers :—GREGOR.  
PENHALLOW. DEEKS.  
ADAMS. INGRES.  
COLBY. MORIN.

Dean of the Faculty :—HENRY T. BOVEY, D.C.L., LL.D., M. Inst. C.E.

## § I. GENERAL STATEMENT.

The Instruction in this Faculty is designed to afford a complete preliminary training of a practical as well as theoretical nature to such Students as are preparing to enter any of the various branches of the professions of Engineering and Surveying, or are destined to be engaged in Assaying, Practical Chemistry, and the higher forms of Manufacturing Art.

Five distinct Departments of study are established, viz. :—

- (1)—Civil Engineering and Surveying.
- (2)—Electrical Engineering.
- (3)—Mechanical Engineering.
- (4)—Mining Engineering.
- (5)—Practical Chemistry.

Each of these extends over four years, and is specially adapted to the prospective pursuits of the Student. The subjects of instruction in the several Departments are given in the Table on the following page.

The Degrees conferred by the University upon such undergraduates of the Faculty as shall fulfill the conditions and pass the Examinations hereinafter stated will be, in the first instance, "Bachelor of Applied Science," mention being made in the Diploma of the particular Department of study pursued; and subsequently the degree of "Master of Engineering" or of "Master of Applied Science." (§ IV.)

FIRST YEAR.

SECOND YEAR.

THIRD YEAR.

FOURTH YEAR.

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Math
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Geology
Hydrauli
Machine
Practica
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Theoryof
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Drawing
Electrica
tory.
Geodetic
Hydrauli
Mechanic
Museum
Physical
Testing I
Thermod
Shopwork

(a) First term  
\* Besides work  
\*\* Also Saturday

§ II. TABLE SHOWING THE SUBJECTS OF INSTRUCTION AND HOURS PER WEEK DEVOTED TO EACH SUBJECT.

	SUBJECTS.	DESCRIPTION UNDER	CIVIL ENGINEERING.	ELECTRICAL ENGINEERING.	MECHANICAL ENGINEERING.	MINING ENGINEERING.	PRACTICAL CHEMISTRY.
FIRST YEAR.	Chemistry.....	§ XI., 8	2	2	2	2	2
	English.....	" 16	2	2	2	2	2
	French or German.....	" 15	3	3	3	3	3
	Mathematics.....	" 14	10	10	10	10	10
	Mechanism.....	" 5	1	1	1	1	1
	Freehand Drawing.....	" 1	3	3	3	3	3
	Geometrical Drawing.....	" 1	6 (a)	6 (a)	6 (a)	6 (a)	6 (a)
	Chemical Laboratory.....	" 1	(b)	3 (b)	3 (b)	3 (b)	3 (b)
	Mathematical Laboratory.....	§ XII.	3	3	3	3	3
Shopwork.....	§ XIV.	7	7	7	7	7	
SECOND YEAR.	Botany.....	§ XI., 12	—	—	—	—	2
	Chemistry.....	" 8	—	—	—	7	14
	Descriptive Geometry.....	" 3	3	3	3	3	—
	French or German.....	" 16	2	2	2	2	2
	Mathematics.....	" 14	6	6	6	6	6
	Physics.....	" 13	2	2	2	2	2
	Kinematics of Machinery.....	" 6	—	1	1	—	—
	Surveying.....	" 2	3	—	—	3	—
	Zoology*.....	" 11	3	—	—	3	—
	Drawing.....	" 3	6	3	3	3	—
	Physical Laboratory.....	§ XII.	3	3	3	3	3
Shopwork.....	§ XIV.	3	6	6	6	3	
THIRD YEAR.	Chemistry.....	§ XI., 8	—	—	—	6	16
	Determinative Mineralogy.....	" 8	—	—	—	3	3
	Dynamics of Machinery.....	" 6	—	2	2	—	—
	Descriptive Geometry.....	" 3	2	—	—	—	—
	Electrical Engineering.....	" 5	—	1	—	—	—
	Geology and Mineralogy * *.....	" 10	3	—	—	4 to 5	4 to 5
	Mathematics.....	" 14	3	3	3	3	—
	Machine Design and Exercises.....	" 6	—	2	5	—	—
	Mining.....	" 7	—	—	—	3	—
	Physics.....	" 13	2	2	2	2	2
	Railroad Engineering.....	" 1	1	—	—	Opt.	—
	Surveying.....	" 2	3	—	—	3	—
	Theory of Structures.....	" 1	3	3	3	3	—
	Zoology *.....	" 11	3	—	—	—	3
Drawing.....	" 3	9	3	3	3	—	
Electrical Engineering Laborat.			6 (a)	—	—	—	
Mathematical Laboratory.....	§ XII.	1	3 (c)	3 (c)	3 (c)	—	
Physical Laboratory.....	" 3	3	3 (c)	3	3	3	
Testing Laboratory.....	" 4	7 (b)	6 (d,b)	4 (b)	4 (b)	—	
Shopwork.....	§ XIV.	—	6	6	—	—	
FOURTH YEAR.	Assaying.....	§ XI. 18	—	—	—	9	—
	Chemistry.....	" 8	—	—	—	—	24
	Dynamics of Machinery.....	" 6	—	1(a), 2(b)	1(a), 2(b)	—	—
	Electrodynamics.....	" 5	—	2	—	—	—
	Electrical Engineering (Descriptive).....	" 5	1(b) opt.	1 (b)	1 (b)	1(b) opt.	—
	Geodesy.....	" 2	—	—	—	—	—
	Geology and Mineralogy * *.....	" 10	—	—	—	3	3
	Hydraulics.....	" 1	2	2	2	2	—
	Machine Design.....	" 6	—	1	1	—	—
	Practical Hydraulics.....	" 1	1	—	—	1	—
	Metallurgy.....	" 7	—	—	—	2	2
	Railroad Engineering.....	" 1	1	—	—	Opt.	—
	Theory of Structures.....	" 1	4	—	—	—	—
	Thermodynamics.....	" 9	2	2	2	2	—
	Drawing (Designing).....	" 3	8	3	9	8	—
	Electrical Engineering Labora-			12	—	—	—
	tory.....	§ XII.	6	—	—	—	—
	Geodetic Laboratory.....	" 7	3	—	—	—	—
	Hydraulic Laboratory.....	" 8	3	3	3	3	—
Mechanical Laboratory.....	" 9	—	—	6	—	—	
Museum Work.....	§ XIII.	—	—	—	6	—	
Physical Laboratory.....	§ XII.	3	Opt.	6	Opt.	Opt.	
Testing Laboratory.....	" 4	6	—	1	3	—	
Thermodynamic Laboratory.....	" 5	—	—	7	—	—	
Shopwork.....	§ XIV.	3	4	4	—	—	

(a) First term. (b) Second Term. (c) First half of first Term. (d) Second half of first Term. Besides work in the Museum.

\*\* Also Saturday excursions, and Museum and Petrographical work.

### § III. MATRICULATION AND ADMISSION.

All Students are recommended to take the First and Second Years of the Arts Course. They are then admitted into the Faculty of Applied Science without examination. (See § IV. iv.)

Students and Graduates in Arts will be admitted to such standing in the Faculty of Applied Science as their previous studies will warrant, but are recommended to take the drawing and shop work during their Arts Course.

Candidates for examination must present themselves on the first day of examination, and all Students must attend punctually at 9 a.m. on Monday, September 23rd, when the lectures will begin.

Examinations for entrance will be held (1) on June 3rd and following days in McGill College and at local centres, and (2) on Wednesday, September 18th, and following days in McGill College only.

Any Head Master or other person desiring a local examination in June must, before May 10th, submit the name of some suitable person, preferably a University graduate, who is willing to act as Deputy Examiner, *i.e.*, receive the questions, hold the examinations, and forward the answers to Montreal. Further particulars relating to this examination will be given on application to the Secretary of the University.

#### SUBJECTS OF EXAMINATION.

**MATHEMATICS.**—*Arithmetic*—All the ordinary rules, including square root and a knowledge of the Metric System.

*Algebra*—Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations of one or more unknown quantities.

*Geometry*—Euclid, Bks. I., II., III., IV. and VI., with definitions of Bk. V., and easy deductions.

*Trigonometry*—As in Hamblin Smith, pp. 1-100, omitting Ch. XI.

**ENGLISH.**—*Dictation.* *Grammar* including analysis. The leading events of English History.

After entrance, one modern language, *viz.*, FRENCH OR GERMAN must be studied. In the former subject an entrance examination

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(to the beginning of Syntax, with easy translation) will be held at the same time as the other examinations. The German may be taken without previous examination.

Candidates who, in addition to the ordinary matriculation examination in English, pass an examination in the advanced portions of the English Language and Composition, may, on the recommendation of the examiner, be exempted from this subject in this Faculty.

Candidates who pass a satisfactory examination in French or German may, on the recommendation of the examiner, be exempted from such subject in this Faculty.

Candidates who pass an examination at entrance in Freehand Drawing, equivalent to the First Year examination, may, on the recommendation of the examiner, be exempted from this subject in the First Year.

Candidates who produce certificates of having already completed a portion of a course in some recognized School of Applied Science may be admitted to an equivalent standing.

**PARTIAL STUDENTS.**—Students may be allowed to take one or more courses of instruction, upon showing by examination or otherwise, that they are qualified to do so.

#### § IV. EXAMINATIONS.

##### I. FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

###### 1. FACULTY EXAMINATIONS.

There will be a Christmas examination for Students of the First Year in all the subjects, and for Students of the Second and Third Years in Mathematics, and in those subjects which they take in the Faculty of Arts. A sessional examination in all the subjects will be held at the end of the First and Second Years.

###### 2. UNIVERSITY EXAMINATIONS.

(a) There will be a primary examination at the end of the Third Year in all the subjects of that year. Candidates must pass this Examination before entering the Final Year.

(b) There will be a final examination for the degree of Bachelor of Applied Science at the end of the Fourth Year, in all the subjects of that year.

Successful Students will be arranged in order of merit.

## II. FOR THE DEGREE OF MASTER OF ENGINEERING.

Candidates must be Bachelors of Applied Science of at least three years standing, and must produce satisfactory certificates of having been engaged during that time upon *bona fide* work in either the Civil, Electrical, Mechanical, or Mining Branch of Engineering.

They must pass with credit an examination extending over the general theory and practice of Engineering, in which papers will be set having special reference to that particular branch upon which they have been engaged during the three preceding years.

Candidates must present applications for examinations, together with the necessary certificates and fees. The Faculty will notify the candidates whether their certificates are satisfactory, and also of the date of the examination. (See also § V.)

## III. FOR THE DEGREE OF MASTER OF APPLIED SCIENCE.

Candidates must be Bachelors of Applied Science of at least three years standing, must present certificates of having been employed during that time in some branch of scientific work, and must pass with credit an examination on the theory and practice of those branches of scientific work in which they may have been engaged. The other conditions as under the last heading. (See also § V.)

## IV. SPECIAL PROVISIONS FOR OBTAINING THE TWO DEGREES OF BACHELOR OF ARTS AND BACHELOR OF APPLIED SCIENCE IN SIX YEARS.

The Regulations now in force, with the following modifications, enable Students to take the two degrees of B.A. and B.A.Sc. in six years:—

1. Students who have passed the Intermediate in Arts may enter the First Year of the Applied Science Course, and will be exempted from the modern languages which they have already taken in Arts.
2. The remaining subjects required for the B. A. degree may be spread over three years instead of two.
3. The Faculty of Arts will accept the Mathematical Physics of the Applied Science Course in lieu of the Mathematical Physics of the Arts Course.

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4. The Faculty of Arts will accept the Laboratory Work in Physics in lieu of the Natural Science of the Arts Course.

A certificate of Literate in Arts will be given along with the professional degree in Applied Science to those who, previous to entrance upon their professional studies proper, have completed two years in the Faculty of Arts, and have duly passed the prescribed examinations therein, but who do not wish to proceed to the degree of B.A.

#### § V. GRADUATE COURSES.

Students who take the Bachelor's degree in one of the courses provided by the Faculty of Applied Science may graduate in any of the remaining courses by attending one or more subsequent sessions.

Graduates may also take an advanced course in the branch in which they have received their degree. On passing an examination at the end of such advanced course, the Master's degree will be conferred without further examination as soon as satisfactory certificates of having been employed for two years in practical work have been received.

Students are strongly recommended to take a Graduate Course, and special arrangements will be made for advanced and research work in the following:—

In Chemistry and Mineralogy. (See § XI, 8 and 10.)

In the determination and comparison of the errors and the co-efficients of standard length. (See § XI, 2, and § XII, 7.)

In the determination of gravity.

The elasticity and strength of materials. (See § XI, 1, and § XII, 4.)

The efficiency of pumps and hydraulic motors. (See § XI, 1, and § XII, 8.)

The efficiency of power transmission by air, water, gas, steam and electricity. (See § XI, 1, 5, 6.)

The efficiency of steam, gas, oil and hot-air engines (simple and compound) and of refrigerators. (See § XI, 6 and 9.)

The efficiency of machines and machine tools, and the power absorbed by the several processes of mechanical work. (See § XI, 6.)

The efficiency of dynamometers, belting and shafting, including investigations into the relative merits of the several unguents. (See § XI, 6.)

The efficiency of the several types of boilers, including investigations on the heat-producing power of the several fuels. (See § XI, 9.)

On the efficiency of dynamos and electric motors.

The flow of water through orifices and pipes, and over weirs. (See § XI, 1, and § XII, 8.)

In Geodesy and Practical Astronomy.

In street railway design and theory, and in alternating apparatus.

In Physics.—The McDonald Physics Building has been equipped and arranged with special reference to Graduate Courses and original research work in various branches of pure Physics. Every facility will be afforded in the workshop for the construction of special apparatus required for such investigations. (See § XI, 12.)

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#### § VI. ATTENDANCE AND CONDUCT.

The regulations under this head are in all respects the same as those in force for Undergraduates in Arts.

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#### § VII. LIBRARY AND MUSEUM.

Students in this Faculty have the same privileges with reference to the University Library and Museum as Undergraduates in Arts.

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#### § VIII. FEES.

The fees for students matriculated in the Faculty during or previous to Session 1894-95, are \$102.00.

After the present date, the total fees for Undergraduates entering the First and subsequent years will be \$150.00, which includes the fees for Tuition, Library, Matriculation, Graduation, Laboratories, Workshops, Gymnasium, Grounds, etc.

The Matriculation fee of \$5.00 (included in the \$150.00 fee) must be paid to the University Secretary previous to the examination.

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Every Student will be required to deposit with the Secretary of the University the sum of \$5.00, as caution money for damage done to the furniture, machinery or other apparatus.

Partial Students will be admitted to the Professional Classes in any year on payment of the ordinary fees for that year; or they may attend the lectures on any subject on payment of a special fee. The fee for each subject taken in the Arts Faculty is \$4.00 per session. In all other subjects, the fee, unless otherwise specified, is \$12.50 for each term, or \$25.00 for the whole session.

**SPECIAL LABORATORY FEES.**—Partial Students desirous of taking Courses in any of the several Laboratories will be required to pay a fee of \$25.00 for each Course.

**SPECIAL WORKSHOP FEES.**—Partial Students desirous of taking the workshop courses will be required to pay the following fees which include cost of materials and use of all tools :

1 day, or 7 hours per week for the whole Session from	September to April:	\$25 00
2 days, or 14	“ “ “	45 00
3 days, or 21	“ “ “	60 00
4 days, or 28	“ “ “	70 00
Supplemental Examination, at date fixed by Faculty		\$2 00
“ “ if for any special reason granted		
at any other date than that fixed by the Faculty		\$5 00

The fees must be paid to the Secretary, and the tickets shown to the Dean, within fourteen days after the commencement of attendance in each Session. In case of default, the Student's name will be removed from the College books, and can be replaced thereon only by permission of the Faculty, and on payment of a fine of \$2.

The fee for a Graduate Course is \$150.00. Graduates of this Faculty will be required to pay only one-half of this amount.

Fee for the Degree of MASTER OF ENGINEERING OR MASTER OF APPLIED SCIENCE, \$10.00.

If for any special reason the Degree of MA.E., or M.A.Sc., be granted *in absentia*, the fee will be \$25.00.

### § IX. MEDALS, EXHIBITIONS, PRIZES AND HONOURS.

1. THE BRITISH ASSOCIATION GOLD MEDAL AND EXHIBITION, founded by the British Association for the Advancement of Science, in commemoration of the meeting held in Montreal in the year 1884.

The British Association Gold Medal for the Session 1895-96, or its equivalent, will be awarded in the Graduating Class.

2. THE GOVERNOR GENERAL'S SILVER MEDAL (the gift of his Excellency The Right Honourable the Earl of Aberdeen).

The Medal for the Session 1895-96 will be awarded in the Graduating Class.

The following Exhibitions and Prizes will be open for competition at the beginning of the Session. *Students are required to notify the Dean of their intention to compete, at least one week before the commencement of the examinations.*

3. A British Association Exhibition of \$50.00 to Students entering the Fourth Year, the subjects of examination being the Mathematics and Theory of Structures of the Ordinary Course.

4. A SCOTT EXHIBITION of \$60.00, founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, to Students entering the Third Year, the subjects of Examination being :—

(a) An Essay, in the form of a character sketch, on Cromwell, or Napoleon I, or Bismarck. On the day of the Examination, the candidates will be required to write an essay on one of these characters. Three hours will be allowed for this.

(b) Mathematics of the Second Year Course. (c) French or German of the Second Year Course.

5. Three Prizes of \$25.00, \$15.00 and \$10.00 will be open for competition to Students entering the Second Year, the subjects of Examination being the Mathematics of the First Year course.

6. Two prizes of \$25.00 each, presented by E. B. Greenshields, B.A., and P. A. Peterson, M.Inst.C.E., will be given for the best Summer Essays on engineering subjects.

N.B.—Undergraduates are strongly advised to prepare, during the Summer months, a thesis or report on some subject connected with the special course they are pursuing at the University. All prize theses must be placed in the hands of the Dean on or before the 1st of October.

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7. Two prizes in books, each of the value of \$12.50, presented by Alexander McFee, Esq., will be given to such members of the graduating class as shall pass the best sessional examinations in Mining and Metallurgy.

8. The Mason prize of \$50.00 in Electrical Engineering, given by Dr. A. F. Mason for original investigation in the practical application of Electricity.

9. Two Prizes, each of \$10.00 from the British Association Medal Fund, to Students entering the Third Year, for proficiency in Leveling or Transit Work.

10. Two prizes one of \$10.00 and one of \$5.00, presented by A. T. Taylor Esq., F.R.I.B.A., will be awarded to the two undergraduates taking the highest standing, in the Freehand Drawing of the First year.

11. Prizes or certificates of merit are given to such Students as take the highest place in the Sessional and Degree Examinations.

12. HONOURS.—On graduation, Honours will be awarded for advanced work in Professional subjects.

13. By the will of the late Dr. T. Sterry Hunt, F.R.S., an endowment has been provided for Scholarships in Practical Chemistry, which it is hoped will be available before the close of next session.

14. SCIENCE SCHOLARSHIPS GRANTED BY HER MAJESTY'S COMMISSION FOR THE EXHIBITION OF 1851.—These Scholarships of £150 sterling a year in value are tenable for two or, in rare instances, three years. They are limited, according to the Report of the Commission, "to those branches of Science (such as Physics, Mechanics and Chemistry) the extension of which is specially important for our national industries." Their object is, not to facilitate ordinary collegiate studies, but "to enable Students to continue the prosecution of Science with the view of aiding in its advance or in its application to the industries of the country."

A nomination to one of these scholarships for the year 1895 was placed by the Commission at the disposal of McGill University, and another may be granted in 1897.

It is open to Students of not less than three years' standing in the Faculties of Arts or Applied Science, and is tenable at any University or at any other Institution approved by the Commission.

This Exhibition has been awarded as follows:—

Evans, P. 1891. Macphail, J. A. 1893. King, R. O. 1895.

15. WORKSHOP PRIZES.— A prize of \$20.00, presented by C. J. Fleet, B.A., B.C.L., for bench and lathe work in the wood-working department, open to Students of not more than two terms standing in workshop practice.

#### § X. SPECIAL PROVISIONS.

1. Partial Students may be admitted to the professional classes upon payment of special fees. (§ VIII.)

2. Students in Applied Science may, by permission of the Faculty, take the Honour Classes in the Faculty of Arts.

3. Undergraduates in Arts of the Second and Third Years, or Graduates of any University, entering the Faculty of Applied Science, may, at the discretion of the Professors, be exempted from such lectures in that Faculty as they have previously attended as Students in Arts.

4. Students who have failed in a subject in the Christmas or Sessional Examinations may regain their standing by passing a supplemental examination at a time appointed by the Faculty. Unless such supplemental examination is passed, Students will not be allowed to proceed to any subsequent examination in the subject. A second supplemental examination will not be granted.

5. Students may be required to answer satisfactorily a weekly paper on such subjects of the course as the Faculty may determine.

6. Credit will be given in the Sessional Examinations for work done during the session in certain of the subjects which will be specified at the commencement of the first term.

7. Students who fail to obtain their Session, and who in consequence repeat a Year, will not be exempted from examination in any of those subjects in which they may have previously passed, except by the express permission of the Faculty. Application for such exemption must be made at the commencement of the Session.

8. A Student may obtain a certificate of standing on payment of a fee of \$2.00.

9. Certificates may be given to Students who have passed through any of the special courses attached to the curriculum.

10. The headquarters of the Canadian Society of Civil Engineers are at present in Montreal. The Society holds fortnightly

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meetings, at which papers upon practical current engineering subjects are read and discussed. Undergraduates joining the Society as Students may take part in these meetings, and acquire knowledge of the utmost importance in relation to the practical part of the profession.

11. Caps and gowns, also the overalls for the workshops, may be obtained from the janitor of the Engineering Building.

## § XI. COURSES OF LECTURES.

### I. CIVIL ENGINEERING AND APPLIED MECHANICS.

Professor:—HENRY T. BOVEY, M.INST.C.E., (Scott Professor of Civil Engineering and Applied Mechanics).

Associate Professor of Hydraulics:—H. BAMFORD, M.SC.

Lecturers:— $\left\{ \begin{array}{l} \text{C. B. SMITH, MA.E.} \\ \text{R. S. LEA, MA.E.} \end{array} \right.$

THEORY OF STRUCTURES. (For Laboratory Work, see § XII.)

The lectures on this subject embrace:—

(a) The analytical and graphical determination of the stresses in the several members of framed structures, both simple and complex, as, *e.g.*, cranes, roof and bridge trusses, piers, etc.

(b) The methods of ascertaining and representing the shearing forces and bending moments to which the members of a structure are subjected.

(c) A study of the strength, stiffness and resistance of materials, including a statement of the principles relating to work, inertia, energy and entropy, together with a discussion of the nature and effect of the different kinds of stress and the resistance offered by a material to deformation and to blows.

(d) The design and proper proportioning of beams, pillars, shafts, roofs, bridge piers and trusses, arches, arched ribs, masonry dams, foundations, earth works and retaining walls.

TEXT-BOOK.—Bovey's Theory of Structures and Strength of Materials.

#### *Graduate Course.*

Special arrangements are made for advanced and research work on the nature, elasticity and strength of the several materials of construction.

### RAILROAD ENGINEERING.

During the Session 1895-96 Mr. C. B. Smith, MA.E., will deliver a series of lectures on Railroad Engineering, embracing:—

(a) Traffic, gradients, curvature, train resistance, etc., leading up to:—

- (b) Determination of structures required in construction.
- (c) Laying out of work ; calculation of quantities of material used in construction ; specifications for same.
- (d) Track-laying, ties (wooden and metal), ballast, steel rails and fastenings, semaphores, switches, yards, turnouts, frogs, etc., methods of signalling, telegraphic, staff, block, permissive block, etc.
- (e) Operation and equipment, with special reference to couplers and brakes ; maintenance of way, renewals, surfacing, etc.
- (f) Résumé of Railroad law, having special reference to the duties of an Engineer.

#### HYDRAULICS. (For Laboratory Work, see § XII.)

The lectures deal with this subject both theoretically and with reference to its practical application.

The Student is instructed in the fundamental laws governing the equilibrium of fluids, and in the laws of flow through orifices, mouth-pieces, submerged (partially or wholly) openings, over weirs, through pipes in open channels and rivers. The impulsive action of a free jet of water upon vanes, both straight and curved, is carefully discussed, and is followed by an investigation of the power and efficiency of the several hydraulic motors, as, *e.g.*, Reaction Wheels, Pressure Engines, Vertical Water Wheels, Turbines, Pumps, etc.

#### *Graduate Course.*

Special arrangements are made for advanced and research work on the flow of water through orifices, over weirs, and on the efficiency of pumps and hydraulic motors.

#### PRACTICAL HYDRAULICS.

During the Session 1895-96 Mr. R. S. Lea, Ma.E., will deliver a series of practical lectures on Hydraulics, embracing quantity and quality of waters ; systems and sources of supply ; rainfall and evaporation ; storage as related to the supplying capacity of water-sheds ; natural and artificial purification ; distribution, including the location of mains, hydrants, stop-valves, etc., for combined or separate fire and domestic systems ; details of construction, including dams, reservoirs, pumps, etc., preliminary surveys, estimates of cost, statistics, etc.

#### 2. SURVEYING AND GEODESY.

Professor:—C. H. McLEOD, MA.E.

Lecturer:— ———

This course is designed to qualify the Student for admission to the practice of Provincial and Dominion Land Surveying. It also affords a practical and theoretical training in Field Engineering, Practical Astronomy, and in the simpler operations of Geodetic Engineering. The instruction is given by lectures and by practice in the field, drawing room, laboratory and observatory. The course of lectures is as follows:—

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SECOND YEAR.—Chain and angular surveying. The construction, adjustment and use of the various instruments. Contour surveying. Underground surveying. Topography. Ranging curves. Levelling and setting out work.

THIRD YEAR.—Railway locations. Geodetic levelling. Indirect and Barometric levelling. Hydrographic surveying. Introduction to Practical Astronomy.

FOURTH YEAR.—Geodesy. Practical Astronomy.

Each Student in this course is required to take part in the following :—

1. A chain survey. 2. A contour survey based on 1. 3. Compass surveys with and without local attraction. 4. A plane-table survey. 5. The preliminary surveys and location of a line of road, the work being afterwards set out for construction. 6. The hydrographic survey of a channel in the St. Lawrence River. 7. A triangulation survey from one base, checking on a second base. 8. The precise measurement of two base lines. 9. Differences of level by spirit level, triangulation and barometer. 10. Determinations of latitude by the zenith telescope and prime vertical methods. 11. Determination of the meridian. 12. Determinations of time by a portable astronomical transit, by sextant, and by the solar attachment. 13. Determination of longitude by the telegraphic method and by moon culminations. 14. Exercises on the comparison of clocks and chronometers. 15. Practice in the use of field magnetic instruments.

Students engaged in these surveys are expected to keep complete notes, and from them to prepare all plans and sections required. The necessary instruction in topography and mapping is given in the drawing room.

The large drawing rooms are fitted up with suitable mountings for the various instruments, in order to permit of their use and investigation during the winter months. The equipment of surveying and geodetic instruments includes :—

Six transits and transit theodolites. Seven levels. Four sextants. Two plane tables. Three surveyor's and three prismatic compasses. Three current-meters. 300 and 500 ft. steel tapes arranged for basework. An Altazimuth. A Precision Level. A Zenith Telescope. Astronomical Transits. Break-circuit Chronometer. Chronographs. Heliotropes. Hand levels, chains, rods, tapes, barometers, pedometers, and other minor instruments.

The instruction in the Observatory and Geodetic Laboratory (see § XII.) will be given in the Fourth Year.

Examinations for Land Surveyors :—Any graduate in the Faculty of Applied Science in the Department of Civil Engineering and Land Surveying may have his term of apprenticeship shortened to one year for the profession of Land Surveyor in Quebec or Ontario, or for the profession of Dominion Land Surveyor. He must, however, pass the preliminary and final examinations before one of the Boards of Examiners. The former examination should be passed before entering the University, or in the First or Second Year of attendance.

Special provisions will be made for Students who desire to pass the Examination for Dominion Topographical Surveyor.

TEXT-BOOKS :—Gillespie's Surveying, Johnson's Theory and Practice of Surveying, Shortland's Nautical Surveying, Green's Practical and Spherical Astronomy, Nautical Almanac.

*Graduate Course.*

Special arrangements are made for advanced and research work in Geodesy and Practical Astronomy.

## 3. DESCRIPTIVE GEOMETRY.

Lecturers :— { C. H. McLEOD, MA.E.  
C. B. SMITH, MA.E.

FIRST YEAR.—Geometrical drawing, orthographic projections, including penetrations, developments, sections, etc. Isometric projection.

SECOND YEAR.—Problems on straight line and plane. Projections of plane and solid figures. Curved surfaces and tangent planes. Intersections of curved surfaces. Axometric projections. Shades and shadows. Mathematical perspective and the perspective of shades and shadows.

THIRD YEAR.—Graphical determination of spherical triangles. Spherical projections. Construction of maps.

TEXT-BOOK :—Millar's Descriptive Geometry.

## 4. FREEHAND AND ENGINEERING DRAWING.

Lecturer :—W. A. CARLYLE, MA.E.

This course is designed to give Students facility in observation and in sketching objects, both from the flat and from the round. Special instruction is given in sketching parts of machinery, structural work, etc.

## 5. ELECTRICAL ENGINEERING.

Professor :—C. A. CARUS-WILSON, M.Inst.E.E., (McDonald Professor of Electrical Engineering).

Demonstrators :— { L. HERDT, B.A.Sc., E.E.

The object of this course is to introduce the Student to the principles underlying the practice of Electrical Engineering. But little time is devoted to the consideration of strictly technical details, which the Student can far better study in the factory, where he is strongly recommended to go after his college course. The methods and the instruments used are, in almost every case, those that the Student will have eventually to use in practice. The object of the lectures is not to go over ground already covered by the text-books, except in cases where the subjects are not clearly put, but rather to direct the reading of the Students and to discuss problems arising out of the laboratory work.

The work in the Electrical Engineering laboratories is not commenced until the second term of the Third Year. By that time the Students will have gained a fair general acquaintance with Electricity in the Physical Laboratory. They will then begin a series of experiments on Electricity and Magnetism on a practical scale, using methods and instruments in ordinary practical use, still, however, confining their attention to the principles and not to their application.

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This term's work is preparatory to that of the Fourth Year, when the Students will, in the Dynamo Room, study the practical application of these principles.

Here they will make experiments on electrical machinery of all kinds ; series, shunt, and compound dynamos ; motors, motor-generators, alternators, etc. They will be able to carry out tests of dynamos, transformers and motors under practical working conditions, not only on the apparatus in the dynamo room but also throughout the building, where there are several motors, driving lathes, fans, etc., besides an electric elevator and an electric drill. In addition to these advantages they will have the opportunity of seeing a typical lighting station of twelve hundred lights at work, and may become familiar with the best practice and design on engines, dynamos, switchboard, wiring, etc.

*Graduate Course.*

A special course in Electrical Engineering will be arranged for the session 1895-1896.

This course will be open to graduates in Mechanical Engineering or others who can show by examination or certificate that they are sufficiently qualified.

The course will comprise :—

A series of lectures on Electro-Dynamics.

Work in the Electrical Engineering Laboratories, consisting of tests of generators, motors, etc.

A course of dynamo design.

## 6. MECHANICAL ENGINEERING.

Professor :—J. T. NICOLSON, M.CAN.SOC. C.E., (Workman Professor of Mechanical Engineering.)

Lecturer :——————

This course embraces four subjects of study, as follows :—

### I. DESCRIPTIVE MECHANISM, AND KINEMATICS OF MACHINERY.

A course of lectures, illustrated by the lantern, will be given in the First Year, introducing the subject of mechanism in general to the Student. Beginning with elementary contrivances and common forms, the functions and principles of all kinds of ordinary mechanisms are explained ; and the course concludes with detailed descriptions of prime movers, machine tools, locomotives, and a few lectures on the principles of the action of cutting tools.

In the Second Year the Science of Kinematics applied to machinery is taken up. Reuleaux's principles and classifications are followed, and illustrated by the fine and unique collection of models in the Museum. The synopsis of the course includes the following subjects : Definition of a machine. Lower Pairs. Kinematic chains and trains. Centroides. Restraint. Higher Pairs. Force and chain closure. Dead points. Notation. Analysis of the quadric crank chain, the slider-crank chain, the double-slider crank chain. Chamber crank and wheel trains. Kinematic synthesis.

## II. DYNAMICS OF MACHINERY.

While motion without regard to force was considered in the kinematic course, the action of external forces so as to compel rest or prevent change of motion, or so as to produce or to change motion in the links of mechanisms, is now considered in a series of lectures extending over two years.

The Third Year course embraces the following :

Friction. Laws based on recent experiments, applied to journals and pivots. Railway brakes. Resistance to rolling. Friction in mechanisms treated graphically. Dynamics of belt and rope drives. Friction clutches. Elementary parts of dynamics of the steam engine, curves of crank effort for single and multiple cranks. Fluctuation of energy and of speed. Fly-wheels. Indicators. Absorption and transmission dynamometers.

Fourth Year :—Balancing of double and single acting engines and of the locomotive. Rigid dynamics applied to the connecting rod, the oscillating engine, the governor, and gyrostatic action in machinery. The inter-relation between fly-wheel and governor. Dynamics of machine tools, of pumping and of forging machines. Graphic treatment of the dynamics of complicated machines.

## III. MACHINE DESIGN.

In the above courses the parts of the machines considered have been supposed perfectly rigid ; their real state in this respect is considered in two courses of lectures extending over the Third and Fourth Years. The nature of the instruction is sufficiently indicated in the Text-book, which is Unwin's Machine Design, 2 vols.

## IV. MECHANICAL DRAWING.

This course extends over three years :—

SECOND YEAR :—Elementary principles of mechanical drawing. Simple machine details. Sketching of machinery. Dimensioning. Tracing and conventional colouring.

THIRD YEAR :—Making of working drawings. Simple designing. Engine designing.

FOURTH YEAR :—Practical machine design. The complete design of a machine, such as a steam engine, a pump, a crane, a turbine, or a machine tool.

### *Graduate Course.*

A graduate course in Mechanical Engineering has now been arranged for, and will consist of part or all of the following work :

Experimental researches on steam engines and boilers, hot air and gas engines, compressed air plant for power transmission, refrigerating machines ; on superheated steam, cylinder condensation, and feed heating ; and on the value of fuels.

Experiments on the relative value and properties of lubricants, on transmission and absorption dynamometers, on the efficiency of transmission machinery, and of machine tools.

Researches on the tempering and welding of various materials ; and on the properties of alloys.

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## 7. MINING AND METALLURGY.

Lecturer :—WILLIAM A. CARLYLE, MA.E.

## I. MINING.

In the Third Year, a course of lectures is given in Mining, among the subjects taken up being :—Prospecting, Exploratory Mining, Hydraulic Mining, Underground Work, Exploitation of Ore Deposits, Transport of Ores underground and at the surface, Shafts, Tunnels and Inclines or Slopes, Timbering, Pumps and Drainage, Ventilation, Hoisting Plants, Explosives and Blasting, Use of Compressed Air and Electricity in Mining, etc., etc.

## II. METALLURGY.

During the Fourth Year a Course of lectures is given on :

(1) Fuels, particularly Charcoal and Coke, and on the metallurgy of Iron and Steel.

(2) On the latest and best methods of reducing the ores of such important metals as Gold, Silver, Lead, Copper and Nickel.

These lectures are illustrated by numerous models and blue-prints of the latest designs and details in Mill Work, Furnaces, etc. Each student receives copies of these blue-prints to incorporate in his lecture notes.

*Draughting and Designing* and the plotting of mine maps from underground surveys receive special attention.

*The McGill University Mining Society* meets fortnightly to hear and discuss technical papers by men eminent in the profession and by the Mining Students.

*An excursion* was made at the close of the Sessional Examinations, 1895, to the large copper mines at Capelton, Que., to the asbestos mines and to the slate quarries and works. Underground surveys have been made, and the methods of mining, timbering, ore-dressing, etc., carefully examined.

LABORATORIES.—Very great facilities, not equalled elsewhere in Canada, are afforded the Mining Students in the engineering laboratories and workshops. In the Testing Laboratories (XII, 4) most important instruction and experience can be obtained as to the nature and strength of the several materials of construction and in the use of the various testing machines ; while in the Hydraulic Laboratory the instructions and experiments are of great practical importance to the Mining Engineer, who is constantly called upon to apply hydraulic principles in the execution of his various works.

In the Chemical Laboratories (XII, 2) and Assay-rooms, all the work done by the student is in direct relation to the needs of his future professional duties, and the Museum (XIII.), with its large and complete collections, presents him with every opportunity for the study of Geology, Petrography, Palæontology and Mineralogy, supplementing the lectures given by the Professors in these subjects. The lectures are designed to meet the special requirements of the Mining students.

## 8. CHEMISTRY AND ASSAYING.

Professor :—B. J. HARRINGTON, PH.D. (Greenshields Professor of Chemistry and Mineralogy).

Lecturer :—NEVIL NORTON EVANS, M.A.Sc.

Demonstrator :—ALEXANDER BRODIE, B.A.Sc.

This course includes lectures and laboratory work. In the First Year, Students of all the Departments attend a course of lectures on the laws of Chemical Combination, Chemical Formulæ and Equations, the preparation and properties of the more important Elements and their Compounds, etc. They also devote one afternoon a week throughout the session to practical work in the Laboratory, where they learn the construction and use of ordinary apparatus, perform a series of experiments designed to cultivate the powers of observation and deduction, and begin Qualitative Analysis.

In the Second and Third Years, Students in the Department of Practical Chemistry attend lectures on the Chemistry of the metals or on Organic Chemistry, and receive instruction in Qualitative and Quantitative Analysis, including gravimetric and volumetric methods and the application of electrolytic methods to the estimation of copper, nickel, etc. Blowpipe Analysis and Determinative Mineralogy also constitute part of the work of the Third Year.

In the Fourth Year, special attention is devoted to such subjects as Mineral Analysis and Assaying, and the Analysis of Iron and Steel; but considerable latitude is allowed to Students in the choice of subjects, and Organic work may be taken up if desired.

Students of the Mining Course take Qualitative and Quantitative Analysis during the Second and Third Years, and devote considerable attention in the Fourth Year to Mineral Analysis and Assaying of various ores, fuels, etc. They also attend the class in Blowpipe Analysis and Determinative Mineralogy in the Third Year.

The Chemical Laboratories (see § XII.) are open daily (Saturdays excepted) from 9 a.m. to 5 p.m.

## 9. THERMODYNAMICS.

Lecturer :—J. T. NICOLSON, B.Sc., M.CAN.SOC. C.E.

Demonstrator :— ————

Fundamental laws and equations of thermodynamics. Application to perfect gases and to steam saturated and superheated. Efficiency of perfect heat engines. Efficiency of actual air, gas, petroleum, and steam engines.

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TEXT-BOOK :—Ewing's "Steam-Engine."

#### 10. GEOLOGY AND MINERALOGY.

Professors :— { B. J. HARRINGTON, PH.D.  
FRANK D. ADAMS, PH.D.

SECOND YEAR.—A preliminary Course in Zoology, with special reference to Fossil Animals.

THIRD YEAR.—Mineralogy (Ordinary and Honour), Petrography, Physical and Chronological Geology and Palæontology, Geology of Canada, Methods of Geological Exploration.

FOURTH YEAR.—Special studies in Mineralogy and Petrography ; Advanced Course in General Geology and Palæontology ; Geology of Canada ; Practical Geology and Field-work.

For further details see Announcement of the Faculty of Arts.

NOTE.—Students of the Mining and Chemistry courses take the Honour Mineralogy of the Third Year in Arts. Mining Students take the whole Honour Course of the Fourth Year. Chemistry Students take, in addition to the ordinary course in Geology, the Honour Mineralogy of the Fourth Year.

#### 11. ZOOLOGY.

Lecturer :—W. E. DEEKS, B.A., M.D.

This Course includes Elementary Physiology, Embryology, Morphology and Classification of Animals, with a general account of their habits, distribution and geological history. The lectures are supplemented by weekly demonstrations in the Redpath Museum.

#### 12. BOTANY.

Professor :—D. P. PENHALLOW, B.Sc.

Course.—General Morphology and Classification. Descriptive Botany. Flora of Canada. Nutrition and reproduction of Plants. Elements of Histology.

#### 13. EXPERIMENTAL PHYSICS.

Professors :— { JOHN COX, M.A. (McDonald Professor of Physics).  
HUGH L. CALLENDAR, F.R.S. (McDonald Professor of Physics).

The instruction includes a fully illustrated course of Experimental Lectures on the general principles of Physics (embracing, in the Second Year—*The Laws of*

*Energy—Heat and Light*; in the Third Year—*Sound—Electricity and Magnetism*), accompanied by courses of practical work in the Laboratory in which the Students will perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the lectures. Opportunity will be given to acquire experience with all the principal instruments used in exact physical and practical measurements. Students of Electrical Engineering will continue their work in the Laboratory in the Fourth Year, when they will undertake, under the guidance of the Professors, advanced measurements and special investigations bearing on their technical studies.

FOURTH YEAR ELECTRICAL STUDENTS.—Students of Electrical Engineering will continue their work in the Physical Laboratory in the Fourth Year. The following is a brief outline of the Course :

Magnetic elements and measurements. Use of Variometers. Testing magnetic qualities of iron.

Theory and practice of absolute electrical measurements.

Comparison and use of electrical standards, of resistance, E.M.F., self-induction, and capacity.

Principles of construction of electrical instruments.

Testing and calibration of ammeters, voltmeters, and wattmeters.

Insulation and capacity tests. Electrometers and Ballistic methods.

Construction and treatment of storage cells. Testing for capacity and rate of discharge.

Electric light photometry.

An additional course on telegraph and telephone work is under consideration.

#### *Graduate Courses.*

The following are some of the sections in which special provisions have been made for advanced physical work :—

*Heat.*—Thermometry. Comparison and verification of delicate thermometers. Air thermometry. Measurement of high temperatures. Electrical resistance thermometers and pyrometers. Thermo-electric pyrometers. Absolute expansion of mercury.

Calorimetry. Mechanical Equivalent of Heat. Variation of specific heat with temperature. Latent heat of fusion and vaporisation. Heat of solution and combustion. Electrical methods.

Radiation and conduction of heat with special methods and apparatus. Dynamical theory of gases.

Viscosity. Surface Tension. Variation of properties with temperature.

*Light.*—Photometric standards. Spectrophotometry. Theory of colour vision. Spectroscopy and spectrum photography. Compound prism spectrometers. Six inch and 2½ inch Rowland Gratings. Study of spectra of gases. Fluorescence and anomalous dispersion. Polarimetry. Landolt and other polarimeters. Form of wave surface.

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*Sound*.—Velocity in gases and various media. Absolute determinations of period. Harmonic analysis of sounds. Effects of resonance and interference.

*Electricity and Magnetism*.—Magnetic properties. Influence of stress and torsion. Influence of temperature. Effects of hysteresis. Magneto-optics. Other effects of Magnetisation. Diamagnetism.

Electrical standards and absolute measurements. Calibration of electrical instruments.

Insulation and capacity testing. Electrometer and Ballistic methods. Temperature variation of resistance and E.M.F. Thermo-electric effects. Electrolysis. Chemistry of primary and secondary batteries. Resistance of Electrolytes. Polarisation.

Electric discharge in gases and high vacua. Dielectric strength. Behaviour of insulators under electric stress. Specific inductive capacity. Electric oscillations. Electro-magnetic optics. Alternating currents of high frequency and voltage.

#### 14. MATHEMATICS AND MATHEMATICAL PHYSICS.

Professor :—G. H. CHANDLER, M. A.

Lecturer :—R. S. LEA, MA.E.

The work in this department is conducted from the outset with special reference to the needs of Students of Applied Science. Much time is given to practice in the use of Mathematical Tables, particular attention being paid to the solution of triangles, the tracing of curves, graphical representation of functions, reduction of observations, etc. Areas, volumes, masses, centres of gravity, moments of inertia, etc., are determined both by calculation and by observation or experiment, and each method is made to supplement or illustrate the other. In this connection, use will be made, in actual laboratory practice, of a large amount of apparatus, such as balances, Atwood's Machines, inclined planes, chronographs, rotation apparatus of various kinds, etc. The different methods of approximation, the reduction of results of experiments and observations by least squares, etc., will also receive due attention.

The lectures will embrace the following subjects :—

FIRST YEAR.—Euclid, to the end of Book VI., with exercises on Loci, Transversals, etc. Algebra, including the Binomial Theorem. Elements of Solid Geometry and of Geometrical Conic Sections. Plane and Spherical Trigonometry. Elementary Kinematics and Dynamics.

SECOND YEAR.—Analytic Geometry. Differential and Integral Calculus. Dynamics of Solids and Fluids.

THIRD YEAR.—Continuation of Analytic Geometry, Calculus and Dynamics.

Classes may also be held for advanced (optional) work in these or other subjects.

*Text-Books* (Partial list).—Todhunter's or Mackay's Euclid, Hall & Knight's Elementary Algebra, Wilson's Solid Geometry and Conic Sections, Wentworth's Analytic Geometry, Chandler's Calculus, Blakie's Dynamics, Wright's Mechanics, Bottomley's Mathematical Tables, Chambers' Mathematical Tables.

#### 15. ENGLISH LANGUAGE AND LITERATURE.

Professor:—C. E. MOYSE, B.A. (Molson Professor of English Language and Literature).

Lecturer:—C. W. COLBY, PH. D.

FIRST YEAR.—English Language and Literature.

SECOND YEAR.—A special course on English Composition.

#### 16.—FRENCH AND GERMAN.

*French Language and Literature.*

Professor:—

Sessional Lecturer:—

*First Year.*—Jules Verne, l'Expédition de la Jeune-Hardie (D. C. Heath & Co.). Ponsard, Charlotte Corday (Macmillan & Co.). Sardou, La Perle Noire (Gage & Co.). Grammar (Whitney). Practice in Composition and Conversation.

*Second Year.*—*Prose translation*, Popular Science, edited by Jules Luquiens, Ph.D. Esther, by Racine. Précis de Littérature française, par Contanseau. Colloquial exercises.

*German Language and Literature.*

Lecturer:—L. R. GREGOR, B.A.

*First Year.*—Van der Smissen and Fraser's German Grammar; Joyne's German Reader; Dictation; Colloquial exercises.

*Second Year.*—Van der Smissen and Fraser's German Grammar; Joyne's German Reader; Freytag Die Journalisten; Uhland, Ballads and Romances (Macmillan's Foreign School Classics); Parsing; Dictation Colloquial exercises.

*Third Year.*—Van der Smissen and Fraser's German Grammar; Lessing, Minna von Barnhelm; Schiller, Siege of Antwerp; History of German Literature; German Composition; Dictation.

#### 17. METEOROLOGY.

Instruction in Meteorological Observations will be given in the Observatory at hours to suit the convenience of the Senior Students.

Certificates will be granted to those Students who pass a satisfactory examination on the construction and use of Meteorological Instruments and on the general facts of Meteorology.

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## § XII. LABORATORIES.

In the Laboratories the Student will be instructed in the art of conducting experiments, a sound knowledge of which is daily becoming of increasing importance in professional work.

1. LABORATORY OF MATHEMATICS AND DYNAMICS.—The equipment of this Laboratory includes instruments for the measurement of distance (scales, micrometers, cathetometer), of area (planimeters), of volume (flasks, graduated vessels, etc.), of time (clocks, chronographs), of mass (beam and spring balances); it is also provided with specific gravity balances, Atwood and Morin machines for experiments on the Laws of Motion, inclined planes, a variety of rotation apparatus (gyroscope, Maxwell's Dynamical Top, torsion balance, pendulums, etc.), air-pumps, thermometers, barometers, etc.

The Mathematical Laboratory is used chiefly in connection with the course in Dynamics in the First Year. Lectures are given on the fundamental and derived units of the Science, as well as on the Laws of Motion, and deductions from the same. When the students have in this way been made acquainted with some of the ideas of the subject, they are admitted to the laboratory, where experiments of a progressive character are assigned to them. These experiments are in all cases quantitative, and embrace the measurement of mass by means of accurate physical balances, of intervals of time by clock and chronograph, and of distance by means of scales, screw micrometers, etc. They then proceed to the measurements of areas, volumes, velocities, accelerations, forces, specific gravities, friction, and also to pendulum experiments, etc. The equipment of the laboratory for this work is very complete, embracing as it does the ordinary instruments for the purpose to be found in most physical laboratories, together with a variety of apparatus specially constructed for this laboratory. Particular attention is given in the lectures to the principles of observing in general, the sources of error, etc.; the whole Course having reference to the subsequent work of the student in the Physical and Engineering Laboratories.

2. CHEMICAL LABORATORIES.—The Chemical Laboratories are three in number,—one for Students of the First Year; one for Students of the Second and Third Years, in which it has been found necessary to carry on both qualitative and quantitative work; and one which is reserved for Students of the Fourth Year, and for special Students who may wish to carry on original investigations. There is also a special room in the basement which is fitted up for fire assaying.

The Laboratories are supplied with four balances by Becker & Sons, one Bunge and a bullion-balance by Troemner. There are

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also a Laurent polariscope, a spectroscope by Dubosque, gas combustion and melting furnaces, apparatus for electrolytic work, etc., etc. Distilled water is obtained by means of a special boiler placed in the basement, which also supplies the steam for drying-ovens, steam baths and drying-chamber in the upper Laboratories.

In the Chemical Laboratory much of the work has necessarily been of the ordinary routine character, but special investigations have been made of a number of processes employed in the assaying of ores. Something, too, has been added to our knowledge of the chemical composition of Canadian minerals of scientific interest; among the minerals analyzed being sodalite, nepheline, garnet (andradite), axinite, albite, oligoclase, orthoclase, labradorite, etc. Some attention has been devoted to the chemical and mineralogical study of rocks of scientific interest from various parts of the Dominion, including sandstones, limestones, slates, gneisses, etc. Mineral and drinking waters, coals and various other economic minerals have also been made the subject of study. The work, it will be observed, has been directed mainly in the direction of mineral chemistry, as many of the laboratory students intend devoting themselves to work in connection with mining.

3. PHYSICAL LABORATORY.—The McDonald Physical Laboratory contains five storeys, each of 8,000 square feet area. Besides a lecture theatre and its apparatus rooms, the Building includes an elementary laboratory nearly 60 feet square; large special laboratories arranged for higher work by advanced students in Heat and Electricity, a range of rooms for optical work and photography; separate rooms for private thesis work by Students; and two large laboratories arranged for research, provided with solid piers and the usual standard instruments. There are also a lecture room, with apparatus room attached, for Mathematical Physics, a special physical library, and convenient workshops. The equipment is on a corresponding scale, and comprises: (1) apparatus for illustrating lectures; (2) simple forms of the principal instruments for use by the Students in practical work; (3) the most recent types of all the important instruments for exact measurement, to be used in connection with special work and research.

The following extract is made from the report for the year of the Physics Building Committee:—

The work of the year has been mainly devoted to completing the equipment of the Laboratory, and starting the practical work on a systematic basis. Additional cases, tables and other fittings have been obtained, tools and machines for the workshop, mercury stills, vacuum pumps, and other apparatus required in Experimental Physics.

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Of the Advanced Practical Work, the greater part hitherto, owing to the arrangement of the Electrical Engineering course, has been confined to Electricity and Magnetism. It may be of some interest, therefore, to give a brief abstract of the work of the last year in this direction, together with a description of the principal electrical standards and instruments of precision in the McDonald Collection.

*Resistance Standards.*—We have thirty standard resistance coils of various patterns, including the B.A., the Board of Trade and the German, with a few others, ranging in value from 1,000 ohms to one ten-thousandth, and adapted for various different purposes. These have been tested and compared, and their values are found to agree as closely as could be expected with the Cambridge certificates, and those of the Reichsanstalt and the makers. The temperature coefficients of a few have also been determined. The comparisons have been made chiefly with Nalder's pattern of the Carey-Foster Bridge.

We have also a duplicate of the Fleming Bridge used at Cambridge, recently presented by the Duke of Devonshire.

*Resistance Boxes.*—The collection of resistance boxes includes almost all the best types. We have a Thomson-Varley slide-box by Nalder, which has proved extremely useful and accurate. This box has been accurately calibrated throughout. The largest discrepancy between two sets of observations on different dates and at different temperatures is one part in 50,000. The mean divergence less than 1 in 100,000. We are thus in possession of an instrument which can be used for calibrating other boxes with great ease and accuracy. Among the other boxes we may mention: two megohm boxes and four 100,000 ohm boxes of different patterns; a four dial and a six dial P.O. box; and a bar-dial box of Professor Anthony's pattern; also a compensated resistance box with mercury contacts, reading from 0 to 50 ohms continuously by the Carey-Foster method; this is extremely useful for the accurate determination of resistances which cannot be made up of any simple combination of standards, and has been accurately calibrated throughout.

For the comparison and determination of small resistances, we have a Kelvin conductivity bridge and a Lorenz apparatus, with the improvements made by Prof. V. Jones, which is now being completed under his supervision.

*Potential Standards.*—As potential standards, we have a number of Clark cells of Dr. Muirhead's pattern with attached thermometers, and a dozen of Professor Carhart's with his certificate. These have been frequently tested at various dates by different methods, and are found to agree with each other to about one-tenth of one per cent. The students have also set up a number of cells in accordance with the Board of Trade directions. The agreement of these is considerably closer, and though not of a portable form, they are more convenient for laboratory work.

These have been used for testing and calibrating various types of commercial instruments.

*Current Standards.*—We have a Kelvin composite balance, which can also be used as a voltmeter and wattmeter, and two Siemens dynamometers. The

constants of these have been determined by the voltametric method, and found to be accurate to one-half of one per cent. They have been used for calibrating common types of alternate current instruments. We have also in course of instalment a set of 4 large storage cells with convenient commutators and resistances for furnishing large steady currents for the testing of ammeters and low resistances, and for other purposes. This equipment is similar to that in use at the Board of Trade in England and in the laboratories of some leading instrument makers.

As an absolute current standard we have a duplicate of the Weber electro-dynamometer made by Latimer Clark for the Committee of the British Association, the coils of which were wound by Clerk Maxwell, and used by Lord Rayleigh in his standard experiments. This instrument has been very carefully set up by R. O. King. It has been thoroughly tested and measured, and its constants determined.

*Insulation and Capacity Tests.*—For these and other tests we have a suitable collection of delicate reflecting galvanometers of the astatic, ballistic, differential and D'Arsonval types. The most delicate of these has a resistance of 110,000 ohms, and a figure of merit of upwards of 60,000 megohms with a 20 second swing.

We have eight quadrant electrometers of different types, the chief of which have been set up and used for various insulation and other tests. We have also one Kelvin absolute electrometer, and smaller portable electrometers and gauge on the same principle.

As a standard of capacity we have a cylindrical air-condenser of the B.A. pattern. This was measured, cleaned, and set up by H. M. Tory in November, 1893.

Its capacity has not yet been determined absolutely. By comparison with our certificated mica standards, it was found to be nearly 1,200th of a microfarad, the value intended by the maker.

The mica-standards and subdivided boxes have been carefully compared with each other and tested for insulation and absorption. They are above the average in quality and accuracy.

For the purpose of studying the behaviour of insulators under the influence of long continued and intense electric stress, a subject which is now becoming of importance in connection with the transmission of power at very high voltage, we have in preparation a transformer capable of working up to 100,000 volts and of sufficient power to give useful, practical results.

*Magnetic Tests.*—Determinations of the dip and horizontal intensity have been made with the Kew instruments in different parts of the laboratory, and of the horizontal intensity with two other types of magnetometer. The values obtained showed a very satisfactory agreement, and were in all cases verified by the local and bifilar variometers. A preliminary magnetic survey with the portable variometers has been made of all the laboratories in which experiments affected by the horizontal intensity are carried on. The results have been of great utility, and show that the precautions taken in erecting parts of the build-

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ing with copper pipes and heating apparatus were by no means unnecessary, and might even have been extended with advantage to the elementary laboratories. It was also found that the disposition of the motors and machinery at the other end of the building was such as to produce a magnetic disturbance scarcely appreciable for most purposes in the portions devoted to delicate work.

We have also apparatus of various types for testing the magnetic quality of iron and steel. These experiments are mainly carried on in the Engineering Building, but some tests have been made by the magnetometric method for which the Physics Building is more suitable.

Considerable progress has also been made with the equipment for advanced work in Optics, Acoustics and Heat, but little work has as yet been done by the Students in these branches, owing to the arrangement of the present courses of study. The collection of apparatus is on a corresponding scale to the electrical equipment, and includes several fine and valuable instruments. Among the more interesting pieces recently added or shortly to arrive, we may mention: a set of Ewing Seismographs; a Rieffler standard clock; a set of direct-reading electrical thermometers reading to  $.01^{\circ}$  Fahr., which are now being used for determining soil temperatures; a six inch Rowland grating, with mountings and accessories by Brashear; a complete set of spectrum and Crooke's tubes by Geissler; mechanical models and apparatus from the Engineering Laboratory and the Instrument Company at Cambridge.

We hope in the course of the summer vacation to be able to make a complete catalogue of the apparatus, and to publish some such list as shall be of use to outside students and experimentalists who may wish to know what facilities our Laboratory may offer for any particular line of research.

4. TESTING LABORATORIES.—The principal experiments carried out in these will relate to the elasticity and strength of materials, friction, the theory of structures, the accuracy of springs, gauges, dynamometers, etc. The equipment of this laboratory includes a Wicksteed 100 ton and an Emery 75-ton machine for testing the tensile, compressive and transverse strength of the several materials of construction. To the former has been added a specially designed arrangement, by which the transverse strength of girders and beams up to 26 ft. in length can be determined. These machines are provided with the holders required for the various kinds of tests, and new holders have also been specially designed and made in the laboratory for investigating the tensile and shearing strength of timber, for wire rope tests, etc. Numerous attachments have also been made to the machines, which have largely increased their efficiency.

2. An Impact Machine, with a drop of 30 ft., and with gearing which will enable specimens to be rotated at any required speed and the blows to be repeated at any required intervals. By means of a

revolving drum, a continuous and accurate record of the deflections of the specimens under the blows can be obtained.

3. An Unwin Torsion Machine with a specially designed angle-measurer, by which the amount of the torsion can be measured with extreme accuracy.

4. An Accumulator, furnishing a pressure of 3600 lbs. per square inch, which is transmitted to the several testing machines, and ensures a perfectly steady application of stress, which is impossible when any form of pump is substituted for an Accumulator.

5. A Blake and a Worthington Steam Pump, designed to work against a pressure of 3600 lbs. per square inch. The Accumulator may be actuated by either of the pumps, and if at any time it is desirable to do so, either of the pumps may be employed to actuate the testing machine direct. When in operation the work of the pump and the accumulator is automatic.

6. Extensometers of the Unwin, Martens, Marshall and other types.

7. An autographic recording stress strain apparatus.

8. Portable cathetometers, and also a large cathetometer specially designed and constructed for the determination of the extensions, compressions and deflection of the specimens under stress in the testing machines.

9. An Electric Motor Pump for actuating the Accumulator ; also various electric motors for working the several machines.

10. A drying oven for beams up to 26 ft. in length. The hot air in this oven is kept in circulation by means of a fan driven by an electric motor.

11. Numerous gauges, amongst which may be specially noticed an Emery Pressure Gauge, graduated in single lbs. up to 2500 lbs. per square inch. The whole of the testing machines are on the same pressure circuit, and are connected with the Emery Gauge and also other standard gauges, including recording gauges. This arrangement provides a practically perfect means of checking the accuracy of the testing.

12. Special apparatus and recording gauge for the testing of hose, etc.

13. Dynamometers for measuring the strength of textile fabrics the holding power of nails, etc.

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14. Apparatus for determining the elasticity of long wires.
15. Apparatus for determining the hardness of materials of construction.
16. Zeiss and other Microscopes.
17. Delicate chemical and other Balances. A very important part of the equipment is the Oertling Balance, capable of indicating with extreme accuracy weights of from .00001 lb. up to 125 lbs.
18. Micrometers of all kinds.

In the laboratories more especially devoted to the determination of the strength of materials, a very extensive investigation, in which the Third and Fourth Year students have taken part, has been carried out on the strengths of certain Canadian timbers. The experiments have now extended over a period of more than two years, and the results have been incorporated in a paper. The experiments have numbered some thousands, and the value of the lumber used is upwards of \$3000.00. Important results have been found in connection with what is perhaps the most valuable of the Canadian soft timbers, *i.e.*, Douglas Fir, but the experiments are still far from complete, and are to be continued.

Mr. P. A. Peterson, chief engineer of the Canadian Pacific Railway, offered a prize of \$25.00 for a research to be made during Session 1894-95 by the Fourth Year students on the strength of Montreal building brick and the strength of Rockland slate.

An interesting investigation has been begun as to the strength and elasticity of iron and steel tubes under internal pressure.

**CEMENT LABORATORY.**—The importance of tests of the strength of mortars and cements is very great. The equipment of the Laboratory for the purpose is on a complete plan, including:—

- (1) Three one-ton tensile testing machines, representing the best English and American practice.
- (2) One 50-ton hydraulic compressive testing machine.
- (3) Voluminometers for determining specific gravity and for determining the carbonic acid in the raw material.
- (4) Faija steaming apparatus for blowing tests.
- (5) Mechanical hand and power mixers.
- (6) Apparatus for determining standard consistency.
- (7) Vicats and Gilmore's needles for determining set.
- (8) Weighing hopper, spring and other balances.
- (9) Gun metal moulds for tension, compression and transverse test pieces, and special moulds for placing mortar into the moulds under a uniform pressure, which, together with the mechanical mixers enable the personal error to be eliminated.

(10) Sieves of 20, 30, 40, 50, 60, 70, 80, 100, 120 and 180 meshes per lineal inch for determining the fineness.

The laboratory is also fitted with copper-lined cisterns, in which the briquettes may be submerged for any required time, and with capacious slated operating tables, bins and tin boxes for keeping the cement dry for any period.

In the Cement Testing Laboratory, researches have been made on the strength of mortars set under pressure, the effect of frost on natural and Portland cements, the effect of sugar on lime and cement mortars, the strength of lime and cement mortars and of the bricks in brick piers, the effect of fine grinding on the adhesive strength of cements, and of using hot water in mixing mortars.

In addition to these researches, a large amount of work has been done by the Fourth Year students, in investigating the specific gravity, fineness, setting properties, constancy of volume, and the tensile, compressive and transverse strengths of cements, both neat and with sand.

5. THERMODYNAMIC LABORATORY.—The Thermodynamic Laboratory is furnished with an experimental steam engine of 80 I.H.P., specially designed for the investigation of the behaviour of steam under various conditions; there are four cylinders, which can be connected so as to allow of single, compound, triple or quadruple, expansion, condensing or non-condensing, with or without jackets. The measurements of heat are made by large tanks, which receive the condensing water and the condensed steam. There are two hydraulic absorption brakes for measuring the mechanical power developed, and an alternative friction brake for the same purpose. Besides this large steam engine, a high speed automatic cut-off by Robb-Armstrong of Amherst, N.S., an Atkinson Cycle and an Otto gas engine, a Stirling hot air engine by Woodbury Merrill of Ticonderoga, are provided and completely fitted for purposes of measurement and research. Many smaller instruments are provided or are in course of construction for illustrating the general principles of thermodynamics, such as calorimeters, delicate thermometers and gauges, a mercury column apparatus for investigating the properties of superheated steam and other working fluids, draft gauges, pyrometers, fuel testers, indicators, planimeters and a Moscrop recorder.

A 40 horse power two-stage air compressor of modern make for a central station is under construction in the workshops of the College, and will, it is hoped, be added to the Laboratory during next session.

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Of the five boilers which supply steam, three are fitted for experimental purposes.

The most recent addition to the equipment consists of a 45 H. P. Cornish boiler with Galloway tubes. This boiler will be used for heating and also for experimental purposes and will work up to 100 lbs. per sq. in.

In the Thermodynamic Laboratory, the cylinders of the experimental engine have been covered with non-conducting material, the cylinder drains altered, and a new set of jacket drains fitted, so that measurements of all jacket steam can now be made separately,—a unique feature in a quadruple engine. Several tests have been made with the low pressure cylinder. The experimental boiler has been mounted for forced draft trials; two of the Babcock-Wilcox boilers have been completely fitted up for experimental work, and with them about forty full boiler trials have been carried out.

The staple experiments in the laboratory have been made with the Robb automatic cut-off engine, fifty full trials having taken place, six of them with Hirn's analysis. The Atkinson gas engine and the hot air engine have also been tested a number of times. A mass of apparatus for testing the dryness of steam (including separating, throttling and super-heating calorimeters), a steam orifice, a Penberthy injector and a fuel calorimeter have been permanently fitted up, and form, together with numerous pyrometers, indicators and springs, the subjects of the preliminary part of the Course.

A research on the transmission of heat through wrought-iron boiler tubes was carried out in the summer of 1893 by three students, and gave interesting results.

A research on the motion of heat through the walls of steam cylinders by the thermo-electric method has been commenced, and will, it is hoped, give important results.

#### 6. ELECTRICAL LABORATORIES.—These consist of :—

(1) *The Electrical Laboratory proper*, where the standard instruments are kept and experiments made in the electrical course. The instruments comprise amongst others, two of Lord Kelvin's electric balances, a Thomson galvanometer, four d'Arsonval galvanometers, two Siemens dynamometers, two Kelvin electrostatic voltmeters, a complete set of Western ammeters and voltmeters, besides resistance coils, etc.

Current is supplied to all parts of the room from one of the lighting dynamos direct and from the accumulator room.

(2) *The Magnetic Laboratory*.—Here are set up a ballistic galvanometer, Ewing's curve tracer, and a variety of apparatus made in the College for magnetic tests of various kinds.

(3) *The Dynamo Room*.—The apparatus here consists of a 25 K W Edison dynamo, two 12 K W Edison dynamos, a 12 K W

Mordey alternator made specially for this laboratory (the coils on the armature can be moved round through any angle, and two or three currents of any phase difference obtained), a 7 K W Victoria dynamo, a 7 K W Fort Wayne dynamo, a 6 K W Thomson-Houston arc-light dynamo, a 15 K W Thomson-Houston incandescent dynamo, and a 5 K W Brush arc-light dynamo. All these are driven off magnetic clutch pulleys by an 80 horse power MacIntosh and Seymour engine. There are also here several different transformers, motors, arc lamps, etc., and a 3 K W motor generator.

(4) *The Lighting Station.*—This comprises a 30 K W Edison-Hopkinson dynamo, and a 30 K W Siemens dynamo, each driven by a Willans high speed engine. The switch-board is arranged so that the building—containing twelve hundred lights—can be lighted by the two dynamos in series, or, if the load is light, by one running on two-wire system or by accumulators. The whole is in every respect typical of the best English and American practice.

(5) *The Accumulator Room.*—Containing Crompton-Howell storage cells of a united capacity of eight hundred ampere hours.

During the past year, the advanced students in the Electrical Engineering Course have carried out an extensive series of experiments on different subjects of interest.

The electric elevator in the building formed the subject of an enquiry into the regulating and running of electric elevators generally, and much useful information was obtained as to the efficiency of worm gearing.

Tests of efficiency were made on transformers submitted by the makers, by a new method, which was made the subject of a demonstration to the members of the Canadian Institution of Electrical Engineers on the occasion of their visit to McGill College in the autumn.

The photometer has been used for testing the candle-power and efficiency of a large number of incandescent lamps of different types.

Several samples of iron have been sent in for magnetic experiments, and have served a useful purpose in the students' work.

The efficiency of the magnetic clutches used in the dynamo room, which were designed at the College, was determined by a series of tests; these clutches have been running for two years, and have proved perfectly satisfactory.

An extended series of experiments has been made on armature reaction on some of the dynamos in the laboratory; these are now being completed, and will, it is hoped, give valuable results.

Arrangements are now being made for establishing a street railway testing department; a standard street railway motor and other apparatus have been kindly lent by the Canadian General Electric Company for this purpose.

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7. **GEODETIC LABORATORY.**—There are in this Laboratory a Rogers comparator for the investigation of standards of length, a Rogers angular dividing engine for the graduation and investigation of circles, a Munro-Rogers linear dividing engine, an astronomical clock and chronograph, a portable Bessel's reversible pendulum apparatus, a Whitworth end-measuring machine, lever triers, etc. In connection with the Laboratory, there is also a fifty-foot comparator and standard of length, for standardizing steel bands, chains, tapes, rods, etc.

The Geodetic Laboratory is used chiefly by the students of the Fourth Year in the Course of Civil Engineering. Investigations of the errors of the instruments employed in the field geodetic work are made by the class. The methods of graduating circles and standard bars are illustrated by example, and the products examined on the comparators. Measurements of the value of gravity and the magnetic element by field methods are completely carried out.

In the Astronomical Observatory each member of the class makes a series of determinations of latitude by the zenith and prime vertical methods, a set of time observations by eye and ear and by chronographic methods, and a determination of meridian, in all of which a fairly high standard of accuracy is demanded.

8. **HYDRAULIC LABORATORY.**—Here the Student will study practically the flow of water through orifices of various forms and sizes, through submerged openings, over weirs, through pipes, mouth-pieces, etc.

The equipment of this laboratory includes :—

1. A large Experimental Tank, 30 ft. in height and 25 sq. ft., in sectional area. With this tank experiments are conducted on the flow of water through orifices, either free or submerged. By a simple arrangement the orifices can be rapidly interchanged without lowering the head and with the loss of only about one pint of water. The indicating and measuring arrangements connected with the tank are exceedingly delicate and accurate, and valuable results have already been obtained. By means of a special connection with the city water-supply, the available head of water may be increased up to 230 ft.

2. An Impact Machine, which renders it possible to measure the force with which water flowing through an orifice, nozzle or pipe strikes any given surface, and also the impulsive effect of the water entering the buckets of hydraulic motors.

3. A Jet Measurer specially designed for investigating the dimensions of the jet produced in the phenomena known as "the inversion of the vein." With this apparatus it is possible to determine, within .001 inch the dimensions of a jet in any plane and at any point of the path.

4. Numerous orifices, nozzles and mouth-pieces.

5. A specially designed strand-pipe with all the necessary connections for pipes of various sizes for investigations on frictional resistance. The pressures are measured by recording gauges, etc.

6. A flume about 35 feet in length, by 5 ft. in width by 3 ft. 6 ins. in depth.

7. Weirs up to 5 ft. in width, and with a depth of water over the rest varying from nil to 8 inches.

8. Numerous hydraulic pressure-gauges.

9. A mercury column 60 feet in height.

10. Gauge testing apparatus.

11. Various rotary, and piston meters and a venturi meter.

12. Apparatus for illustrating vortex motion.

13. Apparatus for illustrating vortex ring motion and for determining the critical velocity of water flowing through pipes.

14. Five specially built gauging tanks with suitable indicators, and having a capacity of 800 cubic feet. Also other portable tanks.

15. Transmission and absorption dynamometers.

16. An experimental centrifugal pump.

17. An inward-flow turbine, a new American turbine, a Pelton, and other motors and turbines.

This Laboratory is also provided with a set of pumps, specially designed for experimental work and research. They are adapted to work under all pressures up to 120 lbs. per sq. in., and at all speeds up to the highest found practicable. The set is composed of three vertical single acting plunger pumps of 7 in. diam., 18 in. stroke, driven by one shaft. They are to have two interchangeable valve chests, and it is arranged that both the valves and their seats may be removed and replaced by others.

In the Hydraulic Laboratory, investigations are being carried out on the flow of water through orifices of different sizes and forms, on the effect of viscosity upon the flow, and for the purpose of determining the co-efficients of discharge

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through conical nozzles. Important results have already been obtained, and it is hoped that they will be published in the near future, so that the results may be available to the general public.

Similar experiments and also experiments on the flow of water over weirs have been directly conducted by the students, who are thus able to obtain experience in the scientific treatment of hydraulic problems, which will certainly be of the utmost value to them in their future career.

9. MECHANICAL LABORATORY.—In this Laboratory experiments will be carried out on the efficiency of belts, shafting, and machine tools. Governors of all types will be tested with the chronograph. Lubricants by journal friction-testing machine. Sliding and rolling friction and the stiffness of ropes will also form subjects for experiment.

Much valuable apparatus has been added to this laboratory since the opening of the Buildings, all of which has been made in the mechanical workshops, and mainly by students. The Thurston oil tester and the Bunte's viscosimeter, which formed the original equipment, have been supplemented by a hydraulic dynamometer for testing the efficiency of machines, a rotary transmission dynamometer on a new principle, with recording attachment, a pneumatic gauge for measuring delicate pressures down to the 3000th of a lb. per square inch, two other draft gauges, a belt transmission dynamometer and a belt-testing apparatus.

With these instruments, experiments have been carried on during each session or a period of twenty full working days.

Many visits have also been paid to engineering works and manufactories of importance.

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### ‡ XIII. MUSEUMS.

The Peter Redpath Museum contains large and valuable collections in Botany, Zoology, Mineralogy and Geology, arranged in such a manner as to facilitate the work in these departments. Students have access to this Museum, in connection with their attendance on the classes in Arts in the subjects above named, and also by tickets which can be obtained on application. Students will also have the use of a Technical Museum, occupying the whole of the third storey of the Engineering Building. Amongst other apparatus the Museum contains the Reuleaux collection of kinematic models, presented by W. C. McDonald, Esq., and pronounced by Professor Reuleaux to be the finest and most complete collection in America.

## § XIV. WORKSHOPS.

The workshops erected on the Thomas Workman Endowment have a floor area of more than 25,000 sq. ft.

The practical instruction in the workshops is designed to give the Student some knowledge of the nature of the materials of construction, to familiarize him with the more important hand and machine tools, and to give him some manual skill in the use of the same. For this purpose, the Student, during a specified number of hours per week, will work in the shops under the superintendence of the Professor of Mechanical Engineering, aided by skilled mechanics. The courses commence with graded exercises, and gradually lead up to the making of joints, members of structures, frames, etc., finally concluding in the iron-working department with the manufacture of tools, parts of machines, and, if possible, with the building of complete machines.

The equipment includes the following :

IN THE CARPENTER, WOOD-TURNING AND PATTERN-MAKING DEPARTMENTS.—Carpenters' and pattern-makers' benches, wood-lathes, a large pattern-maker's lathe, circular saw benches, jig and band saws, buzz-planer, wood-borer, universal wood-worker, etc.

IN THE MACHINE SHOP.—The most improved engine lathes, a 36-in. modern upright drill, with compound table, universal milling machine, with vertical milling attachment, hand lathes, planer, universal grinding machine, universal cutter and reamer grinder, buffing machine, a 16-in. patent shaper, vise-benches, etc.

IN THE SMITH SHOP.—Forges, hand drill, and a power hammer.

IN THE FOUNDRY.—A cupola for melting iron, core oven, brass furnace, moulders' benches, etc.

The machinery in the shops is driven by 50 I. H. P. compound engine and a 10 I. H. P. high speed engine.

In the workshops, a 40 H.P. air compressor has formed the staple object upon which energy has been spent. This, it is hoped, will be completed and added to the Thermodynamic Laboratory during the present year. A large boring bar, with automatic feed and double heads, an Emery brass buffing machine, an overhead travelling crane of one ton capacity, with two transverse motions, in the foundry; and two electric arc lamps and projecting lanterns, complete for class demonstration, have been the principal results of steady application in the work shops.

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## ADDENDUM.

Good board and lodging may be obtained at \$18 per month ; or separately, board at \$12 to \$14, and rooms at \$5 to \$10 per month. The cost of drawing instruments for the whole course may be placed at from \$15 to \$30. Gown and overalls, \$7 to \$10. Books per session \$10 to \$30.

Estimated necessary cost per session of 7½ months, including fees, but exclusive of clothing and travelling expenses, \$270 to \$320.

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FACULTY OF APPLIED SCIENCE—TIME TABLE.

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
<b>FIRST YEAR.</b>							
	9	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Shopwork.
	10	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Mathematics.	Do
	11	English.	French. German.	French. German.	French. German.	Chemistry.	Do
	12	Chemistry.	English.	Drawing.	Drawing.	Chemistry.	Do
	2 to	Geom. Drawing.	Shopwork.	Geom. Drawin (a). Mathematical Lab. (b).	Free and Drawing.	Pract. Chemistry.	

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
<b>SECOND YEAR.</b>							
	9	Mathematics.	Mathematics.	French.	Mathematics.	French.	Shopwork, 4.
	10	Physical Laboratory.	German.	Mathematics.	Chemistry, 5. Surveying, 1, 4.	German.	Do
	11	Do	Zoology, 1, 4.	Botany, 5. Mathematics.	Zoology, 1, 4.	Mathematics.	Do
	12	Do	Experimental Physics.	Kinematics, 2, 3. Surveying, 1, 4.	Experimental Physics.	Chemistry, 4, 5.	Do
	2 to 5	*Chemistry, 4, 5. Mapping, 1. Shopwork, 2, 3.	Desc. Geom., 1, 2, 3, 4, 5.	*Chemistry, 4, 5. Mechl. Drawing, 2, 3. Shopwork, 1.	Chemistry, 5. Mapping, 1, 4. Shopwork, 2, 3.	Physical Laboratory, 1, 2, 3, 5.	

\* The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturdays excepted) from 9 a.m. to 5 p.m. Field work during September and October, 2 to 5 p.m. For 2nd and Year *Civil*, on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. For *Mining*, on Mondays, Tuesdays, Thursdays and Fridays. For 3rd Year *Civil* and *Mining*, on Mondays, Wednesdays, Thursdays and Fridays. For 4th year *Civil*, on Saturday mornings and two first clear evenings each week, 7 to 9.

(a) First Term. (b) Second Term.

1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

FACULTY OF APPLIED SCIENCE—TIME TABLE—Continued.

YEARS	HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
	9	Experimental Physics, 1, 2, 3, 4, 5.	Mineralogy, (b), 4, 5. Surveying, (a), 1, 4.	Dyn. of Mach., 2, 3. Geology, 1, 4, 5.	Experimental Physics, 1, 2, 3, 4, 5.	Desc. Geom., 1. Mach. Desirn. 1.	Electrical Eng. Lab., 2 (a). Mach.

\* The Chemical Laboratories are open to Second, Third and Fourth Year classes daily (Saturdays excepted) from 9 a. m. to 5 p. m. Field work during September and October, 2 to 5 p. m. For and Year *Civil*, on Mondays, Tuesdays, Wednesdays, Thursdays and Fridays. For Mining, on Mondays, Tuesdays, Thursdays and Fridays. For 3rd Year *Civil* and *Mining*, on Mondays, Wednesdays, Thursdays and Fridays. For 4th year *Civil*, on Saturday mornings and two first clear evenings each week, 7 to 9 p. m.  
 (a) First Term, (b) Second Term.  
 1. Civil Engineering Students. 2. Electrical Engineering Students. 3. Mechanical Engineering Students. 4. Mining Engineering Students. 5. Practical Chemistry Students.

FACULTY OF APPLIED SCIENCE—TIME TABLE—Continued.

YEARS	HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>THIRD YEAR</b>							
	9	Experimental Physics, 1, 2, 3, 4, 5.	Mineralogy, (b), 4, 5. Surveying, (a), 1, 4.	Dyn. of Mach., 2, 3. Geology, 1, 4, 5.	Experimental Physics, 1, 2, 3, 4, 5.	Desc. Geom., 1. Mach. Design, 3. Mineralogy, 4, 5.	Electrical Eng. Lab., 2 (a). Math. Lab., (c), 1, 4. Testing Lab., (b) 1, 2, 3, 4.
	10	Dyn. of Mach., 2, 3. Geology, 1, 4, 5.	Surveying, (b) 1, 4. Theory of Structures, (a), 1, 2, 3, 4.	Desc. Geom., 1. Mining, 4. Shopwork, 2, 3.	Chemistry, 5. Machine Design, 2, 3. Railroad Eng., 1, 4.	Geology, 1, 4, 5. Mach. Design, 3.	Do
	11	Mathematics, 1, 2, 3, 4.	Theory of Structures, 1, 2, 3, 4. Zoology, 5.	Shopwork, 2, 3. Surveying, 1, 4.	Mathematics, 1, 2, 3, 4. Zoology, 5.	Mining, 4. Theory of Structures, 1, 2, 3.	Do
	12	Machine Design, 2, 3. Surveying, 1, 4.	Electrical Eng., 2 (a). Theory of Structures, (b), 1, 2, 3, 4.	Shopwork, 2, 3.	Mathematics, 1, 2, 3, 4.	Theory of Structures, 1, 2, 3, 4.	Do
	2 to 5	Chemistry, 4, 5. Elect. Eng. Lab., 2 (a). Mapping, 1.	Chemistry, 5. Drawing, 1, 2, 3, 4. Mining, 4.	Chemistry, 4, 5. Physical Lab., 2.	Det. Mineralogy, 4, 5. Mapping, 1. Shopwork, 2, 3.	Chemistry, 5. Math. Lab., (c), 2, 3. Phys. Lab., (d), (b) 2, 4. Thermo. Lab., 1.	Do
<b>FOURTH YEAR</b>							
	9	Thermodynamics, 1, 2, 3, 4.	Dyn. of Mach., 2, 3. Mineralogy (a), 4, 5.	Designing, 1. Electrodynamics, 2. Geology, 5. Museum Work.	Thermodynamics, 1, 2, 3, 4.	Designing, 1. Electrodynamics, 2. Metallurgy, 4, 5. Thermo. Lab., 3.	Hydraulic Lab., 1, 2, 3, 4.
	10	Hydraulics, 1, 2, 3, 4.	Mechanical Lab., 3. Metallurgy, 4, 5. Shopwork, 2.	Designing, 1. Electrical Eng. Lab., 2. Museum Work.	Hydraulics, 1, 2, 3, 4.	Elect. Eng. Lab., 2. Geodesy, 1. Thermo. Lab., 3.	Do
	11	Machine Design, 2, 3. Geodesy, 1. Geology, 4.	Designing, 4. Mechanical Lab., 3. Shopwork, 2. Theory of Structures, 1.	Designing, 1. Electrical Eng. Lab., 2. Museum Work.	Designing 4 (a). Dyn. of Mach., 2, 3.	Elect. Eng. Lab., 2. Geology, 4. Theory of Structures, 1. Thermo. Lab., 3.	Do
	12	Railroad Eng., 1, 4.	Designing, 4. Mach. Lab., 3. Shopwork, 2.	Designing, 1. Electrical Eng. Lab., 2. Mineralogy, 4, 5. Museum Work.	Desc. Elect. Eng., (b), 2, 3. Designing, 4 (a). Mech. Eng., 3 (a).	Elect. Eng. Lab., 2. Theory of Structures, 1. Thermo. Lab., 3.	Do
	2 to 5	Assaying, 4. Chemistry, 5. Designing, 1, 2, 3.	Chemistry, 5. Mechanical Lab., 3. Physical Lab., 2. Testing Lab., 1, 4.	Assaying, 4. Chemistry, 5. Designing, 1, 3. Electrical Eng. Lab., 2.	Assaying, 4. Chemistry, 5. Designing, 3. Physical Lab., 2. Testing Lab., 1.	Chemistry, 5. Designing, 4. Elect. Eng. Lab., 2. Testing Lab., 1. Thermo. Lab., 3.	Do

(a) First Term. (b) Second Term. (c) First half of first Term. (d) Second half of first Term.

1. Civil Engineering Students, 2. Electrical Engineering Students, 3. Mechanical Engineering Students, 4. Mining Engineering Students, 5. Practical Chemistry Students

# Faculty of Medicine.

THE PRINCIPAL (*ex-officio*).

*Professors.*

WRIGHT,	STEWART,	BELL,
MACCALLUM,	WILKINS,	ADAMI,
CRAIK,	PENHALLOW,	BIRKETT,
GIRDWOOD,	MILLS,	ALLOWAY
RODDICK,	CAMERON,	FINLEY,
GARDNER,	BLACKADER,	LAFLEUR,
SHEPHERD,	RUTTAN,	ARMSTRONG.
BULLER,		

*Dean.*—R. CRAIK, M.D., LL.D.

*Registrar.*—R. F. RUTTAN, B.A., M.D.

*Librarian.*—F. J. SHEPHERD, M.D.

*Director of Museum.*—J. G. ADAMI, M.A., M.D.

The Sixty-Third Session of this Faculty will be opened on Tuesday, October 1st, 1895, by an introductory lecture at 3 p.m. Lectures for students of the first and second years will begin September 24th. The lectures in third year and final subjects will begin on October 2nd at the hours specified in the time-table, and will be continued for six months.

The Medical School of McGill University was founded in 1822 as the "Montreal Medical Institution," by Drs. W. Robertson, W. Caldwell, A. F. Holmes, J. Stephenson and H. P. Loedel—all of them at the time deans of the staff of the Montreal General Hospital.

Although founded in 1822, yet no session of the "Medical Institution" was held until 1824, when it opened with 25 students; in 1844 the number of students in the Faculty was 50; in 1851, 64, with 15 graduates; in 1872-3, 154, with 35 graduates; in 1892-3, 315, with 46 graduates; in 1894-95, 403, with 54 graduates.

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There were no sessions held during the political troubles from 1836 to 1839, and it is owing to this fact that the present is the 63rd session of the Faculty. This is in reality the 66th session of the school, which is the direct continuation of the "Montreal Medical Institution."

In 1828, the "Medical Institution" was recognized by the Governors of the Royal Institution as the Medical Faculty of McGill University. At this time the lectures were given in a building on the site of the present Bank of Montreal. Later, the school was removed to a brick building still standing near the corner of Craig and St. George streets.

In 1846, the lectures of the Faculty were given in the present central building of the University, now occupied by the Faculty of Arts. On account of the inconvenience arising from the distance of the University Buildings from the centre of the city, it was decided in 1850 to erect a Medical school building in Coté-street, provided with ample accommodation for Library and Museum, and furnished with a large dissecting-room and two lecture rooms; this building was occupied for the first time during the session 1851-52, and sufficed for the wants of the Faculty until 1872-73, when the present main building was provided by the Governors of the University.

In 1885, the Building in the University grounds, erected by the Governors for the use of this Faculty, was found inadequate. A new building was then added, which, at the time, afforded ample facilities for carrying out the great aim of the Faculty,—that of making the teaching of the primary branches thoroughly practical.

Owing to the larger classes and the necessity of thorough laboratory teaching, the Lecture Rooms and Laboratories added in 1885 soon became insufficient in size and equipment to meet the requirements of the Faculty.

Mr. John H. R. Molson with timely generosity came to the aid of the Faculty, and in 1893 purchased property adjoining the College grounds, and enabled the Faculty to erect new buildings and extensively alter and improve those already in use.

These buildings were completed and officially opened by His Excellency the Earl of Aberdeen, Visitor of the University, January 8th, 1895.

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As will be seen on reference to the architect's plans the new buildings have been erected as an extension of the old ones towards the northwest, partially facing Carlton road, and convenient to the Royal Victoria Hospital. They connect the Pathological building acquired in 1893 with the older buildings, and comprise a large modern lecture room, capable of accommodating 450 students, with adjoining preparation-rooms and new suites of laboratories for Pathology, Physiology, Histology, Pharmacology and Sanitary Science. The laboratories, etc., in the older buildings, have been greatly enlarged and improved; the whole of the second floor has been devoted to the department of anatomy, and consists of dissecting-room, anatomical museum and bone-room, preparation rooms, Professors' and Demonstrators' rooms, and a special Lecture Room.

On the ground floor the Library and Museum have been greatly enlarged; a room forming part of the Library has been set apart as a reading-room for the use of students, where the extensive reference library of the Faculty may be consulted.

On this floor are situated also the Faculty room, the Registrar's office, the special museum for Obstetrics and Gynæcology together with Professors' rooms, etc. The chemical laboratories have been increased by including the laboratories formerly used by the department of Physiology.

In the basement are placed the janitor's apartments, cloak rooms, with numerous large lockers, the Lavatory, etc., recently furnished with the most modern sanitary fittings.

Through the great liberality of the Honorable Sir Donald A. Smith in founding the "Leancoil Endowment," and of the citizen of Montreal, and Medical Graduates in subscribing to the "Campbell Memorial Fund," the Faculty has been enabled to conduct and maintain the teaching of the different branches in a high state of efficiency.

The Faculty is glad to be able to announce that, by the liberality of the Honorable Sir Donald A. Smith in endowing the chairs of Pathology and Sanitary Science with one hundred thousand dollars, it is able to establish these departments on a footing fully commensurate with their importance and with the advances and requirements of modern medical science.

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## MATRICULATION.

### I. REGULATIONS OF THE FACULTY OF MEDICINE OF MCGILL UNIVERSITY.

Every Student, before he can be enregistered as an undergraduate in Medicine, must present a certificate of having passed the Matriculation Examination of the Faculty of Medicine of this University, or of having passed some State or University examination accepted by this University.

Graduates in Arts of any recognized university, and those who have passed the Entrance Examination of a Provincial Medical Council, and thus become enregistered students in medicine of a province in Canada, are exempt from further preliminary examination.

Students from the United States, who have passed a State or University examination fully equivalent to that required by this University, may, at the discretion of the Faculty, be admitted to study without further examination.

The Matriculation Examination of this University for Medicine is held twice each year, in June and September, at the same time as that for Arts and Science. The fee for this examination is five dollars, payable on application to the Acting Secretary of the University, J. W. Brakenridge.

Papers for the June examinations will be sent to local centres on application to the Acting Secretary. An additional fee of four dollars, to meet local expenses, will be charged for such examination.

The September examinations are held just before the lectures in Medicine begin. These are held in McGill College, Montreal, only, and at these examinations alternative books in Classics will be accepted.

The subjects for examination are Classics, Mathematics and English, and one of the optional subjects as below.

#### COMPULSORY SUBJECTS :—

*Latin.*—Cæsar, Bell. Gall. Books I. and II. ; Virgil, Æneid, Book I., and Latin Grammar.

*Mathematics.*—Arithmetic (including metric system); Algebra, to quadratic equations inclusive; Euclid's Elements, Books I., II., III.

*English.*—Writing from Dictation. A paper on English Grammar, including Analysis. A paper on the leading events of English history. Essay on a subject to be given at the time of the examination.

OPTIONAL SUBJECTS:—

(One only of these subjects is required.)

1. *Greek.*—Xenophon, Anabasis, Book I.; Greek Grammar.
2. *French.*—Le Bourgeois gentilhomme and French Grammar.
3. *German.*—The first eighty pages of Joynes's German reader or equivalent and German grammar.
4. *Chemistry.*—(As in Remsen's Elements of Chemistry, pages 1-160) and *Physics* (Gage and Fessenden's High School Physics).

II. REGULATIONS GOVERNING THE PRELIMINARY EXAMINATIONS OF CANADIAN AND ENGLISH LICENSING BODIES.

Students should bear in mind the fact that no degree in Medicine from a Canadian university carries with it a legal right to practise Medicine and Surgery in Canada, or in any other British possession. Each province in Canada has its own regulations regarding Entrance Examination, etc., and license to practise is conferred only on those who have complied with the regulations of the special province as to preliminary education, duration and course of study, etc. As the curriculum of professional studies of McGill University fully meets the requirements of all the Provincial Boards, attention will be called only to the regulations regarding Preliminary Education.

Each licensing body in England and Canada dates the period of beginning the study of Medicine from the time of passing the Entrance Examination accepted by it.

It is therefore of the highest importance that intending students should select that examination in preliminary education which will be accepted by the Licensing Board of the province or country in which they intend to practise their profession.

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A. *To obtain a license to practise in England, India, or any other British Possession (Canada excepted).*

The Matriculation Examination in Medicine of this University, as described above, is accepted by the General Medical Council of Great Britain and Ireland. Graduates of this University desiring to enregister in England are thus exempted from any examination in preliminary education on production of the McGill Matriculation certificate together with a certificate that all the subjects of this Examination were passed at one time. Certificates of this University for attendance on lectures are also accepted by the General Medical Council.

B. *To obtain a license to practise in the Province of Quebec.*

No University Matriculation Examination is accepted by the College of Physicians and Surgeons of this Province. Graduates in Arts of any British or Canadian University are however exempted from examination, on presentation of their Diplomas.

Those who pass the Preliminary Examination described below, or Graduates in Arts who enregister as students in the C. P. & S., Quebec, on beginning their studies in Medicine, obtain, on graduating from McGill University, a license to practise in Quebec without further examination in any professional subject.

The requirements for this examination are :

LATIN.—Cæsar's Commentaries, Bks. I., II., III., IV. and V.—

Virgil's Æneid, Bks. I. and II.—The Odes of Horace, Bk. III., with a sound knowledge of the Grammar of the Language.

ENGLISH.—For *English-speaking* candidates.—A critical knowledge of one of Shakespeare's plays, viz., Anthony and Cleopatra for 1895, with English Grammar, as in Dr. Smith or Mason.

For *French-speaking* candidates.—Translation into French of passages from the first eight Books of Washington Irving's Life of Columbus, with questions of Grammar. Translation into English of extracts from Fénelon's *Télémaque*.

FRENCH.—For *French-speaking* candidates.—A critical knowledge of Molière's *Le Bourgeois Gentilhomme*, Fénelon's *Aventures de Télémaque* and La Fontaine's *Fables*, Books I., II., III., with questions of Grammar and Analysis.

For *English-speaking* candidates.—Translation into English of passages from Fénelon's *Télémaque*, with questions of Grammar. Translations into French of easy English extracts.

**BELLES LETTRES AND RHETORIC.**—Principles of the subject as in Haven's Rhetoric, or Boyd's Rhetoric and Literary Criticism. History of the Literature of the age of Pericles in Greece, of Augustus in Rome, and of the 17th and 18th centuries of England and France.

**HISTORY.**—Outlines of the History of Greece and Rome, with particular knowledge of the History of Britain, France and Canada.

**GEOGRAPHY.**—A general view, with particular knowledge of Britain, France and North America.

**ARITHMETIC.**—Must include Vulgar and Decimal Fractions, Simple and Compound Proportion, Interest and Percentages, and Square Root.

**ALGEBRA.**—Must include Fractions and Simultaneous Equations of the First Degree.

**GEOMETRY.**—Euclid, Books I., II., III. and VI., or the portion of plane Geometry covered by those Books. Also the measurement of the lines, surfaces and volumes, of regular geometrical figures.

**CHEMISTRY.**—Outlines of the subject as in Wartz or Roscoe's Elementary Chemistry.

**BOTANY.**—Outline in Laflamme or Spottore's text-book.

**PHYSICS.**—Outline in Peck-Ganot's Physics.

**PHILOSOPHY.**—Elements of Logic as in Jevon's Logic; Elements of Philosophy, as Calderwood's Hand-book.

The Examinations will be held in September, 1895, at Quebec, and in July, 1896, at Montreal. (See Almanac at front of this Calendar for exact date of examinations.) Applications to be made to Dr. Brosseau, Montreal, or Dr. Belleau, Quebec, either of whom will furnish schedule giving text-books and percentage of marks required to pass in each subject.

Examination Fee, 20 dollars. Should the candidate be unsuccessful, one-half of the fee will be returned.

Of the four years' study *after* having passed the Matriculation Examination, three six months' sessions, at least, must be attended at a University, College, or Incorporated School of Medicine, recognized by the "Provincial Medical Board." The first session must be attended during the year immediately succeeding the Matriculation Examination, and the final session must be in the fourth year.

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C. *To obtain a license to practise in Ontario.*

To become an enregistered student of Medicine of the C. P. & S. Ontario, it is necessary to hold a degree in Arts of a recognized Canadian or British University, or to pass, before beginning the study of Medicine, the prescribed examination in Preliminary Education. This Examination is the University Departmental Matriculation Examination of the Ontario Education Department, with science added and compulsory.

The subjects of this Examination for 1895 and 1896 are:—

LATIN.—A paper on Latin Grammar.

Translation from English into Latin Prose, involving a knowledge of Bradley's Arnold's Exercises, 1-24 inclusive, and 49-65 inclusive.

Translation, with the aid of a vocabulary, of easy passages from unspecified Latin Authors.

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| 1895. | { | VIRGIL, <i>Æneid</i> , II.             |
|       | { | CÆSAR, <i>Bellum Gallicum</i> , V, VI. |
| 1896. | { | VIRGIL, <i>Æneid</i> , III.            |
|       | { | CÆSAR, <i>Bellum Gallicum</i> , V, VI. |

MATHEMATICS.—Arithmetic.

Algebra. (Elementary rules ; easy factoring ; highest common measure ; lowest common multiple ; square root ; fractions ; ratio ; simple equations of one, two and three unknown quantities ; indices ; surds ; easy quadratic equations of one and two unknown quantities.

*Euclid*, Books I, II, III.

HISTORY AND GEOGRAPHY.—Great Britain and her colonies, from the revolution of 1688 to the peace of 1815, and the Geography relating thereto.

Outlines of Roman History to the death of Augustus, and the Geography relating thereto.

Outlines of Greek History to the battle of Chæronea, and the Geography relating thereto.

ENGLISH.—I. Composition :—Nothing but an essay will be required ; this shall be dealt with, rather as a test of the candidate's knowledge of English composition than as a proof of his knowledge of the subject written upon. Legible writing, and correct spelling and punctuation will be regarded as indispensable, and special attention will be paid to the structure of sentences and

paragraphs. The examiner will allow a choice of subjects, some of which must be based on the following selections, with which the candidate is expected to familiarize himself by careful reading :—

1895. { SCOTT, Kenilworth.  
GOLDWIN SMITH, Cowper (English Men of Letters Series).

2. Grammar and Rhetoric :—The examination will be chiefly on passages not prescribed. A liberal choice of questions will be allowed to the candidate.

3. Poetical Literature :—Intelligent comprehension of and familiarity with the prescribed texts will be required :

1895. *Tennyson* :—Recollections of the Arabian Nights, The Poet, The Lady of Shallott, The Lotus Eaters, Mort D'Arthur, The Day Dream, The Brush, The Voyage, The Holy Grail.

1896. *Coleridge* :—The Ancient Mariner.

*Longfellow* :—Evangeline, A Gleam of Sunshine, The Day is done, The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Ladder of St. Augustine, A Psalm of Life, The Builders, The Warden of the Cinque Ports.

The following selections from Palgrave's Golden Treasury :

*Wordsworth* :—The Education of Nature, A Lesson, To the Skylark, To the Daisy, and the following Sonnets: To a Distant Friend, "O Friend! I know not which way I must look," "Milton! Thou shouldst be living at this hour," To Sleep, Within King's College Chapel.

*Campbell* :—"Ye Mariners of England," Battle of the Baltic, Hohenlinden, The River of Life.

*Coleridge* :—Youth and Age.

PHYSICS.—An Experimental course in (a) Dynamics, (b) Heat, (c) Electricity, including an acquaintance with the Metric System of units. The courses are defined as follows :—

Dynamics: Definitions of velocity, acceleration, mass, momentum, force, moment, couple, energy, work, centre of inertia; statement of Newton's laws of motion. composition and resolution of forces; conditions for equilibrium of forces in one plane.

Definitions of a fluid, fluid pressure at a point, transmission

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of fluid pressure, resultant fluid pressure, specific gravity, Boyle's law, the barometer, air pump, water pump, siphon.

Heat: Effects of heat, temperature, diffusion of heat, specific heat, latent heat, law of Charles.

Electricity: Voltaic cell, chemical action in the cell, magnetic effect of the current, chemical effect of the current, galvanometer, voltameter, Ohm's law, heating effect of the current, electric light, current induction, dynamo and motor, electric bell, telegraph, telephone.

**CHEMISTRY.**—Definition of the object of the science, relations of the physical sciences to Biology, and of Chemistry to Physics, Chemical change, elementary composition of matter. Laws of combination of the elements, atomic theory, molecules. Avogadro's Law. The determination of atomic weight, specific heat, nomenclature, classification. The preparation, characteristic properties, and principal compounds of the following elements: Hydrogen, Chlorine, Bromine, Iodine, Oxygen, Sulphur, Nitrogen, Phosphorus, Carbon, Silicon.

**FRENCH.**—Grammar. Composition: (a) Translation into French of short English sentences as a test of the candidate's knowledge of grammatical forms and structure, and the formation in French of sentences of similar character; and (b) translation of easy passages from English into French.

Translation of easy passages from unspecified French authors. An examination on the following texts:

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| 1895. | { | SARDOU, <i>La Perle Noire</i> (Pomance).         |
|       | { | DE MAISTRE, <i>Voyage autour de ma chambre</i> . |
| 1896. | { | ENAUULT, <i>Le Chien du capitaine</i> .          |
|       | { | FEUILLET, <i>La Fée</i> .                        |

The Fee for this examination is \$20.00. Full details may be obtained by application to Dr. R. A. Pyne, Registrar, cor. Bay and Richmond sts., Toronto.

*D. To practise in the Maritime Provinces.*

The examination required by the Faculty of Medicine is accepted in the provinces of Nova Scotia, New Brunswick, Prince Edward Island and Newfoundland.

Special matriculation examinations are held annually in New Brunswick and Nova Scotia, at dates stated in the Almanac, at the beginning of this Calendar.

## § II.—ENREGISTRATION.

*The following are the University Regulations :—*

All Students desirous of attending the Medical Lectures shall, at the commencement of each Session, enrol their names and residences in the Register of the Medical Faculty.

The said Register shall be closed on the last day of October for 3rd and 4th year students, and on the 11th of October for the first and second year students. Fees are payable to the Registrar, and must be paid in advance at the time of enregistration.

The class tickets for the various courses are accepted as qualifying candidates for examination before the various Colleges and Licensing bodies of Great Britain and Ireland, and the College of Physicians and Surgeons of Ontario. The degree in Medicine of this University carries with it at the Licensing Boards of Great Britain the same exemptions in certain subjects as are granted to all colonial degrees.

To meet the circumstances of the General Practitioners in British North America, where there is no division of the profession into Physicians and Surgeons exclusively, the degree awarded upon graduation is that of "Doctor of Medicine and Master of Surgery," in accordance with the general nature and character of the curriculum, as fully specified hereafter. The degree is received by the College of Physicians and Surgeons of the Province of Quebec, provided the graduate from this University matriculated before the College of Physicians and Surgeons of Quebec, when entering on the study of Medicine.

Any graduate therefore in Medicine of the University may obtain a license to practise in the Province of Quebec without further examination, if he has complied with the above regulations.

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**TIME TABLE FOR SESSION 1895-96.**

Time Tables for the Session of 1895-96 will be issued with the Lecture Room ticket on enre-  
gistration.

**TIME TABLE OF FIRST YEAR LECTURES.**

LECTURES.	Monday	Tues.	Wed.	Thurs.	Frid.	Sat.	Lecture Theatre.
Anatomy.....	9	9	9	9	9	.....	No. I.
Physiology.....	4	4	.....	4	.....	.....	No. I.
		.....	.....	.....	.....	.....	No. II.
Chemistry .....	.....	3	.....	3	3	.....	Autumn and Spring term No. III.
		.....	2	.....	2	.....	Winter term No. III
Botany during spring term at 9 a.m							
Prac. Anatomy.....	10-12	10-12	10-12	10-12	10-12	9-12	
Prac. Physiology.....	.....	.....	3-5	.....	.....	.....	
*Prac. Histology.....	2-4	.....	.....	.....	4-6	9-11	
†Prac. Chemistry...	10-12	10-12	10-12	10-12	.....	.....	

\* Class taken in divisions.

† Class taken in divisions during spring term.

**TIME TABLE FOR SECOND YEAR.**

LECTURES.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Lecture Theatre.
Anatomy.....	9	9	9	9	9	.....	No. I.
Physiology.....	2	2	2	2	.....	.....	No. I.
Chemistry.....	3	3	3	3	3	.....	Autumn Term No. II Winter Term No. III
Pharmacology and Therapeutics.....	4	.....	4	.....	4	.....	No. I.
		.....	.....	.....	.....	.....	
Laboratory Work...	a.m. 10-12	a.m. 10-12	a.m. 10-12	a.m. 10-12	a.m. 10-12	} 9-12	
Anatomy.....	p.m. 8-10	p.m. 8-10	p.m. 8-10	p.m. 8-10	p.m. 9-10		
* Prac. Chemistry..	10-12	10-12	10-12	10-12	10-12	9-11	
† Prac. Physiology.	.....	.....	.....	.....	1-3	11-1	

\* Half the class each day during autumn term.

† Half the class only,

TIME TABLE OF THIRD YEAR LECTURES (for 9 months).

LECTURES.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Lecture Theatre.
Gynæcology.....		9					II.
Obstetrics.....				9			II.
Medicine.....	5		5		5		III.
Surgery.....	4		4		4		III.
Jurisprudence and Mental Diseases..		5		5			II.
Pharmacology and Therapeutics.....		4		4			III.
General Pathology..	10			10			III.
Hygiene.....	9						III.
Morbid Anatomy...						9	III.
Clinical Medicine... {		I	I	I		I	M.G.H. R.V.H.
Clinical Surgery... {	2	II		2	II		M.G.H. R.V.H.
Prac. Pathology....			9-11		9-11		Path. lab.
Clin. Chemistry....	(Optional during spring term.)						Chem. lab.

TIME TABLE OF FOURTH YEAR LECTURES.

LECTURES.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	Lecture Theatre.
Gynæcology.....					9		II.
Obstetrics.....	9		9				II.
Medicine.....	5		5		5		III.
Surgery.....	4		4		4		III.
*Out-Patients Clinics.....			11			11	M.G.H.
Clinical Medicine... {	11-1	2		11-1	2		R.V.H. M.G.H.
Clinical Surgery... {	2	11-1		2	11-1		M.G.H. R.V.H.
Special Med. and Surg. Pathology..		9					III.
Ophthalmology... {				4			II.
*Clinical Ophthalmology } †Gynæcological } Clinics..... } Gynæcological Operations... } Morbid Anatomy... } Clinical Obstetrics..... } Dermatological Clinic..... } Genito-Urinary Clinic..... }	3	3	3	3	3		M.G.H. R.V.H. M.G.H. R.V.H. R.V.H. III. Mater- nity Hospital. M.G.H.
			10				R.V.H.
						9	III.
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			2				M.G.H.
						3	R.V.H.

\* In groups of ten.

† In groups of four.

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§ III.—COURSES FOR B.A. AND M.D. IN SIX YEARS.

By special arrangement with the Faculty of Arts, it is now possible for students to obtain the degree of B.A. along with M.D., C.M., after only six years of study.

It has been decided to allow the Primary subjects (Anatomy, Physiology and Chemistry) in Medicine to count as subjects of the third and fourth years in Arts (See Faculty of Arts.) It follows then that at the end of four years study a student may obtain his B.A. degree and have two years of his Medical course completed.

The remaining two years of study are devoted to the third and fourth year subjects in Medicine.

The special provisions for Medical Students in the Arts course are as follows:  
*In the First Year.*—Instead of the Chemistry appointed, a Medical Student may substitute one half of the Course in Chemistry required of students in the First Year of the Medical Faculty.

(NOTE.—Should, in the future, the Chemistry in the Faculty of Arts be made equivalent to that of the Faculty of Medicine, it may be taken by any Student proceeding to the Medical Degree in lieu of the course in the Medical Faculty.)

*In the Second Year.*—The remaining half of the Course in Chemistry of the Medical Faculty may be substituted for the Psychology of the First Term and the Mathematical Physics of the Second Year. The Botany Course of the Medical Faculty may be substituted for the Botany in the Arts Course.

(NOTE.—The Faculty of Medicine advises Medical Students who are following the Courses in Arts prescribed for the two degrees to take the subject of Psychology if possible.)

*Third Year.*—Physiology and Histology with practical work therein, or Anatomy with Practical Anatomy, together with the regular examinations therein in the Faculty of Medicine, may be substituted for two courses under the heading of "Science" in the curriculum of the Third Year in Arts.

(NOTE.—If a special course of Physics for Medical Students should be established, Natural Philosophy may not be compulsory.)

*Fourth Year.*—Students who have completed the Third Year in Arts and First Year in Medicine shall have the same privileges in the Fourth Year as Honour Students in this year, viz., they shall be required to attend two only of the courses of lectures given in the ordinary departments (or one course with the additional course therein), and to pass the corresponding examinations only at the Ordinary B.A. Examination. These courses should for Medical Students be in either Languages or Literature.

Students are recommended in the Third and Fourth Years to continue the study of subjects which they have already taken in the First and Second Years.

In order to obtain the above privileges, the student must give notice at the commencement of the Session to the Dean of the Faculty of Arts, of his intention to claim them, and present a certificate from the Registrar of the Medical Faculty that his name is entered on the books of that Faculty. He must produce at the end of the sessions in the first two years a certificate of attendance on the required

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lectures and of standing at the corresponding examinations. In the Third and Fourth Years, he must produce certificates that he has completed each year of the Medical curriculum.

A certificate of Literate in Arts (L. A.) will be given along with the professional degree in Medicine to those who, previous to entrance upon their professional studies proper, have completed two years in the Faculty of Arts, and have duly passed the prescribed examinations therein.

#### § IV.—GRADUATE AND ADVANCED COURSES.

The Faculty of Medicine intends in 1896 to establish Graduate and special courses in connection with the Montreal General and Royal Victoria Hospitals and the various Laboratories.

There will be two distinct sets of courses: one, a short practical and clinical course for medical men in general practice who desire to keep in touch with recent advances in Medicine, Surgery and Pathology, and who wish special clinical experience in Gynæcology, Ophthalmology, Laryngology, etc. This course will last a month from about the 20th of April to the 20th of May, 1896.

A special detailed programme will be prepared, and will be sent on application in January next.

Arrangements have also been made to accommodate a limited number of graduates who desire advanced work.

Laboratories for higher work have been equipped in connection with the pathological and clinical departments of both the Royal Victoria and Montreal General Hospitals and in connection with the General Laboratories for Pathology, Physiology and Chemistry recently altered and extended in the new University Buildings.

Young graduates desiring to qualify for examinations by advanced laboratory courses, or who wish to engage in special research, may enter at any time by giving a month's notice, stating the courses desired and the time at their disposal.

All the regular clinics and demonstrations of both Hospitals will be open to such students on the same conditions as undergraduates in Medicine of this University.

These Laboratories will be open for graduates about May 1st, 1896.

Further details regarding courses, fees, etc., may be obtained on application to the Registrar after January, 1896.

#### § V.—QUALIFICATIONS FOR THE DEGREE.\*

1. No one entering after September, 1894, will be admitted to the Degree of Doctor of Medicine and Master of Surgery, who shall not have attended Lectures for a period of four nine months' sessions in this University, or some other University, College or School of Medicine, approved of by this University.

\* It shall be understood that the programme and regulations regarding courses of study and examinations contained in this Calendar hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely to the conditions now laid down for the whole four years of student's course.

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2. Students of other Universities so approved and admitted, on production of certificate, to a like standing in this University, shall be required to pass all Examinations in Primary and Final Subjects in the same manner as Students of the Faculty of this University.

3. Graduates in Arts who have taken two full courses in General Chemistry, including Laboratory work, two courses in Biology, including the subjects of Botany, Embryology, Elementary Physiology and dissection of one or more types of Vertebrata, may, at the discretion of the Faculty, be admitted as second-year Students, such courses being accepted as equivalent to the first year in Medicine. Students so entering will, however, not be allowed to present themselves for examination in Anatomy, until they produce certificates of dissection for two sessions.

4. Candidates for Final Examination shall furnish testimonials of attendance on the following branches of Medical Education, \* viz. :—

Anatomy.	}	Of which two full Courses will be required.
Practical Anatomy.		
Physiology.		
Chemistry.		
Pharmacology and Therapeutics.		
Principles and Practice of Surgery.		
Obstetrics and Diseases of Infants.		
Gynaecology.		
Theory and Practice of Medicine.		
Clinical Medicine.		
Clinical Surgery.		
Medical Jurisprudence.	}	Of which one Full Course will be required.†
General Pathology.		
Hygiene and Public Health.		
Practical Chemistry.		
Botany or Zoology.	}	Of which one Course will be required.
Histology.		
Pathological Anatomy.		
Bacteriology.		
Mental Diseases.		

He must also produce Certificates of having assisted at six autopsies, of having dispensed medicine for a period of three months.

5. Courses of less length than the above will only be received for the time over which they have extended.

6. No one will be permitted to become a Candidate for the degree who shall not have attended at least one full Session at this University.

7. The Candidates must give proof by ticket of having attended during eighteen months the practice of the Montreal General Hospital or of the Royal Victoria Hospital, or of some other Hospital of not less than 100 beds, approved of by this University.

8. He must give proof of having acted as Clinical Clerk for six months in Medicine and six months in Surgery in the wards of a general hospital recognized by the Faculty, of having reported at least 10 medical and 10 surgical cases.

\* A course in medical, surgical and topographical anatomy will be given for students qualifying for the Ontario Medical Council.

† Provided, however, that Testimonials equivalent to, though not precisely the same as, those above stated may be presented and accepted.

9. He must also give proof by ticket of having attended for at least nine months the practice of the Montreal Maternity or other lying-in-hospital approved of by the University, and of having attended at least six cases.

10. Every candidate for the degree must, on or before the 15th day of May, present to the Registrar of the Medical Faculty testimonials of his qualifications, entitling him to an examination, and must at the same time deliver to the Registrar of the Faculty an affirmation or affidavit that he has attained the age of twenty-one years.

11. The trials to be undergone by the Candidate shall be in the subjects mentioned in Section 4.

12. The following oath of affirmation will be exacted from the Candidate before receiving his degree :

#### SPONSIO ACADEMICA.

In Facultate Medicinæ Universitatis.

Ego, A——B——, Doctoratus in Arte Medica, titulo jam donandus, sancto coram Deo cordium scrutatore, spondeo :—me in omnibus grati animi officiis erga hanc Universitatem, ad extremum vitæ halitum, perseveraturum ; tum porro artem medicam caute, caste, et probe exercitaturum ; et quoad in me est, omnia ad ægrotorum corporum salutem conducentia, cum fide procuraturum ; quæ denique, inter medendum, visa vel audita silere conveniat, non sine gravi causa vulgaturum. Ita præsens mihi spondenti adsit Numen.

13. The fee for the Degree of Doctor of Medicine and Master of Surgery shall be thirty dollars, to be paid by the successful candidate immediately after examination.

#### § VI.—EXAMINATIONS.\*

Frequent oral examinations are held to test progress of the Student ; and occasional written examinations are given throughout the Session.

The Pass examinations at the close of each Session are arranged as follows :—

##### FIRST YEAR.

*Examinations* in BOTANY or ZOOLOGY, HISTOLOGY, PHYSIOLOGY, ANATOMY, CHEMISTRY Theoretical and Practical.

Students who have taken one or more University courses in Botany or Chemistry before entering may be exempted from attendance and examination. Students exempted in their first year subjects are allowed only a pass standing, but may present themselves for examination if they desire to attain an honour standing.

Marks obtained in examinations in first year subjects will count for both Pass and Honours in the Primary examinations.

##### SECOND YEAR.

*Examinations* in ANATOMY, CHEMISTRY, PRACTICAL CHEMISTRY, PHYSIOLOGY, HISTOLOGY, PHARMACOLOGY and THERAPEUTICS.

\* See foot note, page 124.

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## THIRD YEAR.

*Examinations* in PHARMACOLOGY and THERAPEUTICS, MEDICAL JURISPRUDENCE, HYGIENE, GENERAL PATHOLOGY, MENTAL DISEASES, CLINICAL CHEMISTRY, MEDICINE and SURGERY.

Marks obtained in third year subjects count for pass and honours in the final examinations.

## FOURTH YEAR.

*Examinations* in MEDICINE, SURGERY, OBSTETRICS, GYNÆCOLOGY, CLINICAL MEDICINE, CLINICAL SURGERY, CLINICAL OBSTETRICS, CLINICAL GYNÆCOLOGY, CLINICAL OPHTHALMOLOGY, PRACTICAL PATHOLOGY and BACTERIOLOGY.

By means of the above arrangement a certain definite amount of work must be accomplished by the student in each year, and an equitable division is made between the Primary and Final branches.

*A minimum of 50 per cent. in each subject is required to Pass and 75 per cent. for Honours.*

Candidates who fail to pass in not more than two subjects of either the first or second years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Medical Faculty, and on written application stating reasons, and accompanied with a fee of \$5.00 for each subject.

No candidate will be permitted, without special permission of the Faculty, to proceed with the work of the final year until he has passed the subjects comprised in the Primary examination.

No student will be allowed to present himself for his final examinations who has not certificates of having passed all his Primary examinations in this University.

Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon. A course in Practical Anatomy will be accepted as equivalent to a third course of lectures in General and Descriptive Anatomy.

## § VII. COURSES OF LECTURES.

The Corporation of the University, on the recommendation of the Faculty of Medicine, last year consented to the extension of the courses of lectures in Medicine over a period of about nine months instead of six.

By this means, (1) The students of the primary years have a more ample opportunity of becoming acquainted, by laboratory work, with those branches of study which form the scientific basis of their profession, and (2) the final Students will be able to derive the greatest benefit from the abundance of clinical material provided in the two Hospitals.

By this arrangement, while the actual number of didactic lectures per session will be decreased, there will be a corresponding increase in the amount of tutorial work and individual teaching in the laboratories for Chemistry, Physiology, Anatomy, Pathology and Hygiene, as well as giving more time, during the last two years of the course, for the thorough study of disease in the wards of the Royal Victoria and Montreal General Hospitals.

The Faculty expects, by thus increasing the time that the different professors, lecturers and demonstrators devote to each Student, to accomplish two very important ends: First, to do away with the injurious effects which result from attempting to condense the teaching of Medicine and Surgery into four or even five sessions of six months; Second, to give each Student a sounder and more thoroughly practical knowledge of his profession than could be obtained by attending during even five sessions of six months each.

### ANATOMY.

PROFESSOR FRANCIS J. SHEPHERD.

SENIOR DEMONSTRATOR, J. M. ELDER.

DEMONSTRATOR, J. G. MCCARTHY.

ASSISTANT DEMONSTRATORS, R. T. MACKENZIE, W. E. DEEKS AND J. A. HENDERSON.

Anatomy is taught in the most practical manner possible, and its relation to Medicine and Surgery fully considered. The lectures are illustrated by the fresh subject, moist and dry preparations, sections, models and plates, and drawings on the blackboard.

Special attention is devoted to Practical Anatomy, the teaching being similar to that of the best European schools. The Dissecting Room is open from 8 a.m. to 10 p.m., the work being conducted under the constant supervision of the Professor and his staff of demonstrators. Special Demonstrations on the Brain, Thorax, Abdomen, Bones, etc., are frequently given. Every Student must be examined *at least* three times on each part dissected, and if the examinations are satisfactory, a certificate is given. Prizes are awarded at the end of the Session for the best examination on the fresh subject. Abundance of material provided.

### CHEMISTRY.

PROFESSOR, GILBERT P. GIRDWOOD.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Physiology. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration, abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to the members of the class, to repeat experiments performed during the course, under the superintendence of the Professor or Lecturer.

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## PRACTICAL CHEMISTRY.

PROFESSOR, R. F. RUTTAN.

Laboratory instruction in Practical Chemistry is given during each of the first three years of study throughout one term.

The first year's course illustrates the general principles of chemical action and the properties of typical elements. During the second year the course will include methods of qualitative analysis and the detection of poisons. In the third year a course of clinical and sanitary chemistry will be given, in which the Student will be made familiar with the application of Chemistry to the diagnosis and prevention of disease. Special attention is directed to instructing Students in making accurate notes of his experiments and his conclusions. These notes are examined daily and criticized.

## PHYSIOLOGY.

PROFESSOR, T. WESLEY MILLS.

LECTURER, W. S. MORROW.

ASSISTANT DEMONSTRATORS,  $\left\{ \begin{array}{l} \text{J. W. SCANE,} \\ \text{J. D. CAMERON.} \end{array} \right.$ 

The purpose of this Course is to make Students thoroughly acquainted, as far as time permits, with modern Physiology; its methods, its deductions, and the basis on which the latter rest. Accordingly a full course of lectures is given, in which both the Experimental and Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the student.

*Laboratory work for Senior Students:—*

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of experiments which are unsuitable for demonstration to a large class in the lecture room, and require the use of elaborate methods, apparatus, etc., together with such as each individual student may conduct himself.

## HISTOLOGY.

PROFESSOR, GEO. WILKINS.

DEMONSTRATOR, N. D. GUNN.

This will consist of a course of lectures and weekly demonstrations with the Microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation

will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

### PHARMACOLOGY AND THERAPEUTICS.

PROFESSOR, A. D. BLACKADER.

The lectures on this subject are graded in the following manner:

During the Primary Course, attention will be directed chiefly to Pharmacology, including the important chemical and physical properties of the various drugs, and a brief consideration of their physiological action. Therapeutics will be considered only in outline. A complete museum of *Materia Medica* will afford the Student opportunity for making himself acquainted with the drugs themselves. During the spring session, a course of demonstrations on Practical *Materia Medica* and Pharmacy will be given.

During the Final Course, the Physiological Action of Drugs will be dwelt upon at length, and attention will be given to the Therapeutic Application of all Drugs and Remedial Measures. Prescription writing, and the various modes of administering drugs, will be explained and illustrated. During the Course, a series of lectures will be delivered in the theatres of the hospitals on special cases or groups of cases, illustrating important points in both General and Special Therapeutics.

### MEDICINE.

PROFESSOR, JAS. STEWART.

ASSISTANT PROFESSORS, { F. G. FINLEY,  
H. A. LAFLEUN.

ASSISTANT DEMONSTRATORS, { G. G. CAMPBELL,  
W. F. HAMILTON.

While the lectures on this subject are mainly devoted to Special Pathology and Therapeutics, no opportunity is lost of illustrating and explaining the *general laws* of disease. With the exception of certain affections seldom or never observed in this country, all the important internal diseases of the body, except those peculiar to Women and Children, are discussed, and their Pathological Anatomy illustrated by the large collection of morbid preparations in the University Museum, and by fresh specimens contributed by the Demonstrator of Morbid Anatomy.

The College possesses an extensive series of Anatomical plates, illustrative of the Histological and Anatomical appearances of disease, and the wards of the General Hospital afford the lecturer ample opportunities to refer to living examples of very many of the maladies he describes, and to give the results of treatment.

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## CLINICAL MEDICINE.

PROFESSOR, JAS. STEWART.

ASSISTANT PROFESSORS, { F. G. FINLEY.  
H. A. LAFLEUR.

The instruction in Clinical Medicine is conducted in the theatres, wards, out-patient rooms and laboratories of the Royal Victoria and Montreal General Hospitals.

The courses include :—

- I. The reporting of cases by every member of the Graduating Class. A certain number of beds being assigned to each student.
- II. Bedside instruction for members of the Graduating Class.
- III. Two Clinics weekly in each hospital.
- IV. Tutorial instruction for the Junior Classes, in the wards and out-patient rooms of both hospitals.
- V. Instruction in Clinical Chemistry and Bacteriology.

## SURGERY.

PROFESSOR, THOMAS G. RODDICK.

DEMONSTRATOR, R. C. KIRKPATRICK.

This course consists of the Principles and Practice of Surgery and Surgical Pathology, illustrated by a large collection of preparations from the Museum, as well as by specimens obtained from cases under observation at the Hospitals. The greater part of the course, however, is devoted to the Practice of Surgery, in which attention is constantly drawn to cases which have been observed by the class during the session. The various surgical appliances are exhibited, and their uses and application explained. Surgical Anatomy and Operative Surgery form special departments of this course.

## CLINICAL SURGERY.

PROFESSOR, JAMES BELL.

ASSISTANT PROFESSOR, GEO. ARMSTRONG.

ASSISTANT DEMONSTRATOR, K. CAMERON.

This course is entirely practical. Two Clinics are given weekly to full classes in the amphitheatres of each of the large general Hospitals (the Montreal General and the Royal Victoria), at which all operations are performed, the most important surgical dressings are done and the diagnosis and treatment of fractures and dislocations are illustrated by cases from the wards. Ward classes, limited to ten or twelve students, are also held weekly in each of the hospitals for bedside instruction, and every student is required to act as clinical clerk for at least six months in the surgical wards of one or the other hospital, during which period he is personally taught case taking, physical examination, etc., and is required to take part in dressing and the administration of anæsthetics.

## MIDWIFERY.

PROFESSOR, J. C. CAMERON.

DEMONSTRATOR, J. D. EVANS.

The course will embrace: 1. Lectures on the principles and practice of the obstetric art, illustrated by diagrams, fresh and preserved specimens, the artificial pelvis, complete set of models, illustrating deformities of the pelvis, wax preparations, bronze mechanical pelvis, etc. 2. Bedside instruction in the Montreal Maternity, including the management and after-treatment of cases. 3. A complete course on obstetric operations with the phantom and preserved fœtuses. 4. The Diseases of Infancy. 5. A course of individual clinical instruction at the Montreal Maternity.

Particular attention is given to clinical instruction, and a clinical examination in Midwifery, similar to that held in Medicine and Surgery, now forms part of the final examination.

## GYNÆCOLOGY.

PROFESSOR, WM. GARDNER.

ASSISTANT PROFESSOR, T. JOHNSTON ALLOWAY.

The didactic course is graded, and consists of from forty to forty-five lectures given at intervals alternating with the lectures on Obstetrics, and extending throughout the session. The anatomy and physiology of the organs and parts concerned is first discussed. Then the various methods of examination are fully described, the necessary instruments exhibited, and their uses explained.

The diseases peculiar to women are considered as fully as time permits, somewhat in the following order:—Disorders of Menstruation; Leucorrhœa; Diseases of the External Genital Organs; Inflammations, Lacerations and Displacements of the Uterus; Pelvic Cellulitis and Peritonitis and Inflammations of the Ovaries and Fallopian Tubes; Benign and Malignant growths of the Uterus; Tumors of the Ovary; Diseases of the Bladder and Urethra. The lectures are illustrated as fully as possible by drawings and morbid specimens.

Clinical teaching, including out-patient and bed-side instruction, is given both at Royal Victoria and Montreal General hospitals by Professors Gardner and Alloway. A large amount of clinical material is thus available for practical instruction in this department of medicine. Numerous operations are done before the class, and made the subject of remarks. In addition to the ward-patients each hospital conducts a large out-patient Gynæcological Clinic, to which advanced students are admitted in rotation and instructed in digital and bimanual examination and in the use of diagnostic instruments.

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## MEDICAL JURISPRUDENCE.

PROFESSOR, GEO. WILKINS.

LECTURER ON MENTAL DISEASES, J. W. BURGESS.

LECTURER ON MEDICO-LEGAL PATHOLOGY, WYATT JOHNSTON.

This course includes Insanity, the subject being treated of in its Medical as well as Medico-legal aspects. Special attention is devoted to the subject of blood stains, the Clinical, Microscopic and Spectroscopic tests for which are fully described and shown to the class. The various spectra of blood in its different conditions are shewn by Zeiss' Microspectroscope, so well adapted for showing the reactions with exceedingly minute quantities of suspected material. Recent researches in the diagnosis of human from animal blood are alluded to. In addition to the other subjects usually included in a course of this kind, Toxicology is taken up. The modes of action of poisons, general evidence of poisoning, and classification of poisons are first treated of, after which the more common poisons are described, with reference to symptoms, post-mortem appearances, and chemical tests. The post mortem appearances are illustrated by plates, and the tests are shown to the class.

A short course of demonstrations on medico-legal Pathology also forms part of the instruction in this department. This course includes post-mortem methods in medico-legal cases, the pathological conditions characteristic of the more important forms of violent death and the natural causes of sudden death which are liable to excite suspicions of homicide. The lectures are illustrated by specimens from the Coroner's Court.

## OPHTHALMOLOGY AND OTOTOLOGY.

PROFESSOR, FRANK BULLER.

DEMONSTRATOR, J. J. GARDNER.

This will include a course of lectures on diseases of the Eye and the Ear, both didactic and clinical. In the former, the general principles of diagnosis and treatment will be dealt with, including three lectures on the errors of refraction and faults of accommodation; in the clinical lectures given in the hospital, cases illustrative of the typical form of ordinary diseases of the eye and ear will be exhibited and explained to the class. In the out-patient department of each hospital, Students have excellent opportunities of gaining clinical experience.

## HYGIENE.

PROFESSOR, ROBERT CRAIK.

This course comprises lectures on Drinking Water and Public Water Supplies; conditions of Soil and Water as affecting health, including Drainage and the various methods for the removal of Excreta; the Atmosphere, including Heating and Ventilation; Individual Hygiene, comprising the subjects of Food and

Drink ; Physical Exercise and Bathing ; discussion of the respective merits of the various forms of each, precautions, contra-indications, etc.; Village Sanitary Associations ; Mutual Protective Sanitary Association for cities.\*

#### BOTANY.†

PROFESSOR, D. P. PENHALLOW.

The purpose of the course is to give Students a good grounding in the principles of General Morphology, and advance their knowledge of the comparative physiology of animals and plants, and enable them to determine readily such species of plants as may come under their observation.

1. Practical morphology—the determination and classification of type specimens of Bryophytes, Pteridophytes and Spermophytes. Special facilities for this course are offered by the morphological laboratory and the resources of the Botanic Garden.

2. A course of lectures on General Morphology and Classification, Histology and Physiology. The lectures are illustrated by the models and large collections in the Peter Redpath Museum.

3. Studies in Canadian Botany. This work is prosecuted by means of field-excursions which are held as often as opportunity is afforded during the autumn months.

4. A special collection of medicinal plants, now being formed at the Gardens, offers a valuable preparation in the course of Pharmacology.

#### PATHOLOGY.

PROFESSOR, J. G. ADAMI.

LECTURER IN BACTERIOLOGY, WYATT JOHNSTON.

DEMONSTRATOR, C. F. MARTIN.

ASSISTANT DEMONSTRATOR, E. P. WILLIAMS.

The following courses constitute the teaching on this subject :—

1. A course of General Pathology for Students of the Third Year (optional for those of the Fourth). This course extends from October to March, lectures being delivered thrice weekly.

2. A course in Bacteriology. This, which is a continuation of the course in General Pathology, extends from April to June.

3. A course of demonstrations in the performance of autopsies, for Students of the Third Year. The demonstrations are held once a week, from October until Christmas.

4. Demonstrations upon the autopsies of the week for Students of the two Final Years. These are given during the session by Dr. Adami at the Royal Victoria Hospital, and by Dr. Wyatt Johnston at the General Hospital.

\* Students may attend the Lectures on Sanitation in the Faculty of Applied Science, Fee \$6.

† Exemptions from Botany in the Matriculation, for Arts Students, do not entitle Students to exemptions in the First Year. Students may take in their first year either Botany or Zoology, subject, however, to the provisions of the Law in the Province in which they intend to practise medicine. Students desirous to take both subjects in one year may apply to the Faculty for permission.

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5. The performance of autopsies. Each student is required to take an active part in at least six autopsies. The autopsies are conducted at the General and Royal Victoria Hospitals by the Pathologists of these Hospitals and their assistants. In addition to the actual performance of the *sectio cadaveris*, students are expected to attend the practical instruction given in connection with each autopsy, in the method of preparation and microscopic examination of the removed tissues, so as to become proficient in methods of preparation, staining and mounting.

6. A practical course in Morbid Histology for Students of the Third Year. This class is held once a week during the winter months. Six sections are as a rule distributed at each meeting of the class, so that each student obtains a large and representative series of morbid tissues, and, upon an average, twenty minutes are devoted to the description and examination of each specimen. Laboratory fee to cover cost of slides, reagents, microscope, etc., \$5.

7. A practical course in Bacteriology with demonstrations; held once a week during the summer term. Laboratory fee, \$3.

8. A course of demonstrations upon Morbid Anatomy (Museum specimens) once weekly during the winter months, for students of the Fourth Year.

In addition to the above the staff of the department give instruction to the more advanced students who desire to undertake any special work in the laboratories. In addition, classes in clinical pathology and microscopy are given from time to time, at the General and Royal Victoria Hospitals, under the direction of the Professors of Clinical Medicine. In order to encourage special study, a prize is awarded annually to the student presenting the best research in any branch of pathology.

9. A practical course of Bacteriology for advanced students. Fee \$10.

In addition to the above, lectures upon Special Pathology are given by the Professor of Pathology in connection with the course in Medicine and Surgery.

## ZOOLOGY.\*

LECTURER, W. E. DEEKS, ARTS.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It forms a suitable preparation for collecting in any department of Canadian Zoology and Palæontology, and an introduction to Comparative Physiology. It may be taken instead of Botany, or along with it, without any additional fee. Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

## LARYNGOLOGY AND RHINOLOGY.

PROFESSOR, H. S. BIRKETT.

This course will consist of practical lessons in the use of the Laryngoscope and Rhinoscope. The instruction will be carried on with small classes, so that indi-

\* See under "Botany," supra.

vidual attention may be insured. A limited number of clinical lectures bearing upon interesting cases attending the clinic will be delivered during the session. These lectures will be, however, of an eminently practical nature.

#### MENTAL DISEASES.

LECTURER, T. J. W. BURGESS.

This course will comprise a series of lectures at the University on Insanity in its various forms, from a medical as well as from a medico-legal standpoint. The various types of mental diseases will be illustrated by cases in the Verdun Asylum, where clinical instruction will be given to groups of senior students at intervals throughout the session.

#### PRACTICAL MICROSCOPY.

This is an entirely *Optional* Course, and will be conducted by Prof. Wilkins. It is intended especially for teaching the *technique* of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain and mount specimens. Everything except over-glasses and cabinet cases provided. Fee \$8.

#### § VIII. MEDALS AND PRIZES.

1. The "Holmes Gold Medal," founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine; it is awarded to the Student of the graduating class who receives the highest aggregate number of marks in the different branches comprised in the Medical Curriculum.

The Student who gains the Holmes Medal has the option of exchanging it for a Bronze Medal, and the money equivalent of the Gold Medal.

2nd. The "Final Prize," a prize in Books, or a microscope of equivalent value, awarded for the best examination, written and oral, in the Final branches. The Holmes medalist is not permitted to compete for this prize.

3rd. The "Primary Prize," a prize in Books awarded for the best examination, written and oral, in the Primary branches.

4th. The "Sutherland Gold Medal," founded in 1878 by the late Mrs. Sutherland in memory of her late husband, Professor William Sutherland, M.D.; it is awarded for the best examination in Theoretical and Practical Chemistry, together with creditable examination in the Primary branches.

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5th. A Prize in Books for the best examination in Practical Anatomy.

6th. A Prize in Books for the best examination in Botany.

7th. The "Clemesha Prize in Clinical Therapeutics," founded in 1889 by John W. Clemesha, M.D., of Port Hope, Ont. It is awarded to the Student making the highest marks in a special clinical examination.

#### § IX. FEES.

The total Faculty fees for the whole Medical course of four full sessions, including clinics, laboratory work, dissecting material and reagents, will be four hundred dollars, payable in four annual instalments of one hundred dollars each.

Partial Students will be admitted to one or more courses on payment of special fees.

An annual University fee of two dollars is charged students of all the Faculties for the maintenance of the College athletics.

(For graduation fee, see—supra.)

*All fees are payable in advance to the Registrar, and except by permission of the Faculty, will not be received later than 1st November.*

*It is suggested to parents or guardians of Students, that the fees be transmitted direct by cheque or P.O. Order to the Registrar, who will furnish official receipts.*

#### § X. TEXT-BOOKS.

ANATOMY.—Gray, Morris, Quain (Eng. ed.).

PRACTICAL ANATOMY.—Cunningham's Practical Anatomy, Holden's Dissector and Landmark's Ellis' Demonstrations.

PHYSICS.—Balfour Stewart.

INORGANIC CHEMISTRY.—Wurtz's Elementary Chemistry, Remsen's Text-Book.

ORGANIC CHEMISTRY.—Remsen.

PRACTICAL CHEMISTRY.—Odling.

PHARMACOLOGY and THERAPEUTICS.—White, Bruce, Wood, Hare, and National Dispensatory.

PHYSIOLOGY.—Foster and Shore's Physiology for Beginners, Foster's Physiology, Mills' Text-Book of Animal Physiology and Class Laboratory Exercises.

PATHOLOGY.—Coate's Pathology.

PRACTICAL PATHOLOGY.—DeLafield and Prudden, Payne, Boyce.

- BACTERIOLOGY.—Abbott's Bacteriology.  
 HISTOLOGY.—Klein's Elements, Schafer's Essentials of Histology.  
 SURGERY—Holmes, Moulin, Walsham, Erichsen, Treves, the American Text-Book of Surgery, DaCosta.  
 PRACTICE OF MEDICINE.—Osler, Strumpell, Fagge and Flint.  
 CLINICAL MEDICINE.—Musser's Medical Diagnosis, von Jaksch on Clinical Diagnosis.  
 MEDICAL JURISPRUDENCE.—Husband, Guy and Ferrier, Reese.  
 MIDWIFERY.—Lusk, Parvin, Playfair and Barnes.  
 DISEASES OF CHILDREN.—Smith, Goodhart and Starr.  
 GYNÆCOLOGY.—Thomas and Mundé, Skene, Garriques.  
 HYGIENE.—Parks, Wilson (American ed.).  
 BOTANY.—Gray's Text-Book of Histology and Physiology.  
 ZOOLOGY.—Dawson's Handbook of Canadian Zoology.  
 OPHTHALMOLOGY.—Nettleship, Higgins, De Schwinitz.  
 OTOLOGY.—Pritchard, Dalby.  
 LARYNGOLOGY.—Watson, Williams, Karl Seiler.  
 MEDICAL DICTIONARY.—Gould, Dunglison.

#### § XI. MUSEUM.

Prof. J. G. ADAMI, Director.  
 E. P. WILLIAMS, M.D., Assistant Curator.  
 M. BAILLY, Osteologist and Articulatior.

For the past fifty years, the rich Pathological material furnished by the Montreal General Hospital has been collected here. The Faculty is also greatly indebted to many medical men throughout Canada and different parts of the world for important contributions to the Museum.

During the past few years, numerous and extremely important additions have been made to the Medical Museum. (See Special Announcement of the Faculty of Medicine.)

It is particularly rich in specimens of Aneurisms: In addition to containing a large number of the more common varieties of these formations, there are specimens of such rare conditions as Aneurism of the Hepatic and Superior Mesenteric Arteries, Traumatic Aneurism of the Vertebral, together with several of the Cerebral and Pulmonary Arteries. The most important collection probably in existence, of hearts affected with "Malignant Endocarditis," is also

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found. The Faculty is indebted to Prof. Osler, late of this University, for this collection.

The Museum contains also a very large collection of different forms of calculi. The Faculty is mainly indebted to the late Prof. Fenwick for this collection.

During recent years, Mr. Bailly, osteologist and articulator (lately with Tramond of Paris), has been engaged in arranging and mounting the very large number of specimens of disease and injuries of bones which have been accumulating for years. In this collection are to be found examples of fractures and dislocations of the spine, osteoporosis, congenital dislocation of the hip, fracture of the astragalus, multiple exostosis, etc., etc.

#### **Obstetrical Department of the Museum.**

Besides the ordinary pathological preparations, dry and moist, usually found in Museums, this department contains a complete set of models of deformed pelves, a series of preparations in wax illustrating the normal relations of the pelvic organs, the development of the uterus and its contents during pregnancy, various abnormalities, twin pregnancy, foetal circulation, etc., a series of colored casts of frozen sections, Tarnier's artificial pelvis, Budin's bronze mechanical pelvis, models of obstetrical instruments, etc.

Additions are being constantly made, and ere long the department will possess a complete collection of models, casts, preparations and apparatus for the practical teaching and illustration of Obstetrics.

#### **Anatomical Museum.**

In addition to the already large collection of normal and abnormal osteology, comparative and human skeletons of various classes of animals, moist preparations and frozen sections, the following preparations have been recently obtained :

(1) A series of articulated skeletons of fore and hind limbs of the various domestic animals prepared by the articulator, Mr. Bailly.

(2) Numerous moist preparations presented by the Professor and Demonstrator of Anatomy.

(3) A complete set of Steger's beautiful colored casts, taken from the celebrated frozen sections of Professors His and Braune of

Leipzig. These preparations have been placed in the Museum so that they can be constantly consulted by the Students.

- (4) (a) A complete set of Steger's brain sections ;
- (b) Set of hardened brains with the various lobes, convolutions, ganglia, etc., in different colors ;
- (c) Models of the cerebro-spinal and sympathetic nervous systems ;
- (d) A set of Prof. D. J. Cunningham's beautiful casts of the brain in situ, showing the relations of convolutions to the skull.
- (5) (a) A set of preparations showing the anomaly of vessels entering the kidneys ;
- (b) A number of rare anomalies of the aorta and its branches ;
- (c) A series of preparations showing the shoulder girdle in various animals.

*For additions to the Museum during the past year, see special announcement of the Faculty of Medicine.*

**§ XII. LIBRARY.**

Prof. F. J. Shepherd.....Librarian.  
 Miss M. R. Charlton } .....Assist. Librarians.  
 Miss C. G. Forester }

The Library of the Medical Faculty now comprises upwards of over fourteen thousand volumes, the largest special library connected with any medical school on this continent.

The standard text-books and works of reference, together with complete files of the leading periodicals, are on the shelves. Students may consult any work of reference in the library between 10 a.m. and 5 p.m. A library reading room is provided.

**§ XIII. MCGILL MEDICAL SOCIETY.**

This Society, composed of enregistered Students of the Faculty, meets once a week during the spring term and fortnightly during the Winter, for the reading of papers and the discussion of medical subjects. It is presided over by a physician chosen by the members.

The Students' reading room has been placed under the control of this Society, in which the leading English and American Medical journals are on file, as well as the leading daily and weekly newspapers of the Dominion.

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An extensive library of books of reference has also been established in connection with this Society.

#### § XIV. COST OF LIVING, ETC.

This will, of course, vary with the taste and habits of the Student, but the necessary expenses need not exceed those in smaller towns. Good board may be obtained from \$15 to \$20 per month. A list of boarding houses which are inspected annually by a sanitary committee is prepared by the Secretary of the University, and may be procured from the Janitor at the Medical College.

#### § XV. HOSPITALS.

The city of Montreal is celebrated for the number and importance of its public charities. Among these its public hospitals are the most prominent and widely known. Those in which Medical students of McGill University will receive clinical instruction are:—1. The Montreal General Hospital; 2. The Royal Victoria Hospital; 3. The Montreal Maternity Hospital. The Montreal General Hospital has for many years been the most extensive clinical field in Canada. The old buildings, having proved inadequate to meet the increased demand for hospital accommodation, have recently been increased by the addition of the Campbell Memorial and Green-shields surgical pavilions and the new surgical theatre. The interior of the older buildings is now being entirely reconstructed on the most approved modern plans.

The Royal Victoria Hospital, at the head of University street, was opened for the reception of patients the first of January, 1894, and affords exceptional opportunities for clinical instruction and practical training.

##### *Montreal General Hospital.*

The main building contains an administration block and wards for general medicine, for Gynecology and Ophthalmology, and in addition are two Surgical Pavilions.

Attached to the two new surgical pavilions, which contain over 100 beds, is a large building containing a surgical amphitheatre furnished with all the modern appliances for the carrying out of aseptic methods.

Besides the theatre, which has a seating capacity of 300, and its adjoining rooms for etherizing, for instruments and for the preparation of surgical dressings, there are on the same flat smaller operating rooms and isolation wards; commodious laboratories for clinical chemistry, bacteriology and general pathological work are provided in the basement of the Campbell Memorial wing.

A much larger number of patients receive treatment in the Montreal General Hospital than in any other Canadian hospital. Last year's report shows that between two and three thousand medical and surgical cases were treated in the wards, and the greater part of these were acute cases, as may be gathered from the fact that the average duration of residence was only 24.02 days. Upwards of thirty-two thousand patients are annually treated in the out-door department of this Hospital.

Annual tickets entitling students to admission to the Hospital must be taken out at the commencement of the Session, price \$5.00. These are obtained at the Hospital. Perpetual tickets will be given on payment of the third annual fee.

#### *The Royal Victoria Hospital.*

This Hospital is situated a short distance above the University grounds, on the side of the mountain, and overlooks the city. It was founded in July, 1887, by the munificence of Lord Mount-Stephen and Sir Donald Smith, who gave half a million dollars each for this purpose, and have since endowed it with one million dollars in addition.

The buildings, which were opened for the reception of patients on the first of January, 1894, were designed by Mr. Saxon Snell of London, England, to accommodate between 250 and 300 patients.

The Hospital is composed of three massive buildings connected together by stone bridges, an administration block in the centre, and a wing on the east side for medical patients, in immediate connection with which is the new Pathological wing and mortuary, and a wing on the west side for surgical patients.

The administration block contains ample accommodation for the resident medical staff, the nursing staff and domestics. The patients' entrance, the dispensary and admission rooms also are situated in this building.

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The Medical wing contains three large wards, each 123 feet long by 26 feet 6 inches wide, one ward 40 feet by 26 feet 6 inches, and twenty-one private and isolation wards averaging 16 feet by 12 feet, also a Medical Theatre with a seating capacity for 250, and rooms adjacent to it for Clinical Chemistry and other purposes.

North of this wing and in direct connection with it are the Pathological laboratories and mortuary. In this wing are situated the mortuary proper with the most modern arrangements for the preservation of cadavers, the chapel, a post mortem room capable of accommodating 200 students, and laboratories for the microscopic and bacteriological study of morbid tissues, some designed for the use of students and others for post graduation courses and special research. Laboratories for Pathological Chemistry and Photography are also provided.

The surgical wing contains three large wards each 122 feet long by 26 feet 6 inches wide, four wards each 40 feet by 32 feet, and sixteen private and isolation wards averaging 16 feet by 12 feet; also a Surgical Theatre with a seating capacity for 250, with six accessory rooms adjacent for preparation and after-recovery purposes. In this wing are the wards for Gynæcology and Ophthalmology.

#### CLINICAL INSTRUCTION.

During the session of 1895-96, two medical, two surgical, one gynæcological and one ophthalmological clinics will be held weekly in both the Montreal General and Royal Victoria Hospitals.

Tutorial instruction will also be given in these different departments, in the wards, out-patients' rooms and laboratories.

Special weekly clinics will be given in the Montreal General Hospital on Dermatology and Laryngology, and in the Royal Victoria Hospital on diseases of the Genito-Urinary system.

CLINICAL CLERKS in the medical and surgical wards of both Hospitals are appointed every three months, and each one during his terms of service conducts, under the immediate directions of the Clinical Professors, the reporting of all cases in the ward allotted him. Students entering on and after October next will be required to show a certificate of having acted for six months as clinical clerk in medicine and six months in surgery. The experience so gained is found to be of the greatest possible advan-

tage to the Student, as affording a true *practical* training for his future professional life.

DRESSERS are also appointed to the Out-door Departments. For these appointments, application is to be made to the assistant surgeons, or to the resident surgeon in charge of the out-patients' department.

The large number of patients affected with diseases of the eye and ear, now attending the out-door department, will afford Students ample opportunity to become familiar with all the ordinary affections of those organs, and to make themselves proficient in the use of the ophthalmoscope, and it is hoped that every student will thus seek to gain a practical knowledge of this important branch of Medicine and Surgery. Operations are performed on the eye by the Ophthalmic Surgeon after the out-door patients have been seen, and Students are invited to attend the same, as far as practicable, to keep such cases under observation so long as they remain in the Hospital.

There are now special departments in both Hospitals for Gynæcology as well as for Ophthalmology.

#### *The Montreal Maternity.*

The Faculty have great pleasure in announcing that the Corporation of the Montreal Maternity have recently made very important additions to their building, and have still further improvements in contemplation. Students will therefore have greatly increased facilities for obtaining a practical knowledge of obstetrics. An improved Tarnier-Budin phantom is provided for the use of the Students, and every facility afforded for acquiring a practical knowledge of the various obstetric manipulations. The institution is under the direct supervision of the Professor of Midwifery, who devotes much time and attention to individual instruction. Students who have attended the course on obstetrics during the Autumn and Winter terms of the third year will be furnished with cases in rotation, which they will be required to report and attend till convalescence. Clinical midwifery has been placed upon the same basis as Clinical Medicine and Surgery, and a final clinical examination instituted. Regular courses of clinical lectures are given throughout the session. During the Autumn and

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Winter terms the demonstrator of Obstetrics gives clinical demonstrations in the wards and instruction in operation work on the phantom. Students will find it very much to their advantage to pay special attention to their clinical work during the spring term of the third year and the following summer. Two resident accoucheurs are appointed yearly from the graduating class, to hold office for a period of six months each.

Fee for twelve months, \$12, payable at the Maternity Hospital.

#### § XVI. STUDENTS' APPOINTMENTS.

General Hospital—Five Resident Medical Officers.

Royal Victoria Hospital—Six Resident Medical Officers.

Clinical Clerk, Gynæcology.

“ “ Laryngology.

“ “ Diseases of Children.

“ “ Dermatology.

“ “ Diseases of Nervous System.

University Maternity—Two Resident Medical Officers.

Out-Door Dressers.

Dressers in Eye and Ear Departments.

Surgical Dressers (in-door).

Medical Clinical Clerks.

Post-mortem Clerks.

Student Demonstrators of Anatomy, 4 third-year Students.

Prosectors to Chair of Anatomy, 2.

Assistants in Practical Histology Course, 2.

Assistants in Practical Physiology Course, 6.

Assistants in Practical Chemistry, 6.

#### § XVII. RULES FOR STUDENTS.

1. In the case of disorderly conduct, any Student may, at the discretion of the Professor, be required to leave the Class-room. Persistence in any offence against discipline after admonition by the Professor shall be reported to the Dean of the Faculty. The Dean may, at his discretion, reprimand the Student, or refer the matter to the Faculty at its next meeting, and may in the interval suspend from classes.

2. Absence from any number of lectures can only be excused by necessity or duty, of which proof must be given, when called for, to the Faculty. The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session, shall in each case be determined by the Faculty.

3. While in the College, Students are expected to conduct themselves in the same orderly manner as in the Class-room.

When Students are brought before the Faculty under the above rules, the Faculty may reprimand, impose fines, disqualify from competing for prizes and honours, suspend from Classes, or report to the Corporation for expulsion.

## Faculty of Law.

WILLIAM PETERSON, M.A., LL.D. (Oxon), Principal (Ex-Officio).

N. W. TRENHOLME, Q.C., M.A., D.C.L., Dean, and GALE Professor of Roman and International Law.

HON. Mr. JUSTICE WURTELE, D.C.L., Professor of the Law of Real Estate.

L. H. DAVIDSON, Q.C., M.A., D.C.L., Professor of Commercial Law.

CHRISTOPHE A. GEOFFRION, Q.C., D.C.L., Professor of the Law of Contracts.

ARCHIBALD MCGOUN, M.A., B.C.L., Professor of Legal Bibliography.

THOMAS FORTIN, LL.L., B.C.L., Professor of Civil Procedure and Municipal Law.

W. DEM. MARLER, B.A., B.C.L., Professor of Notarial Law.

HON. C. J. DOHERTY, D.C.L., Professor of Civil Law.

HARRY ABBOTT, Q.C., B.C.L., Professor of Commercial Law.

EUGENE LAFLEUR, B.A., B.C.L., Professor of Civil Law.

PERCY C. RYAN, B.C.L., Lecturer on Civil Procedure.

Dean of Faculty.—Professor TRENHOLME.

Secretary and Librarian of the Faculty.—Professor MCGOUN.

Corporation Examiners for Degrees.—Professors TRENHOLME and FORTIN.

Matriculation Examiner of the Faculty.—Professor LAFLEUR.

The Faculty of Law feels much satisfaction in being able to announce that the important step, so long and earnestly desired by all friends of the University, of placing the McGill School of Law on such a substantial and permanent basis as to enable it efficiently to perform its part in the great work of legal education in Canada, has been accomplished by the magnificent endowment presented to the University by Mr. William C. McDonald. This endowment places the Faculty in a position to offer to those who desire to study the Law, either with a view to its practice as a profession or as a means of culture, or as a qualification for the discharge of the higher duties of citizenship, a comprehensive and complete course of legal study, with the use of library, reading room and other aids which have not heretofore been at the command of the Faculty. The course of study to be pursued, extending over a period of three years, and the instruction to be imparted,

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while designed so far as possible to qualify professional Students for the practice of their profession, will also fully recognize the important fact, which, no doubt, was a main inducement for the action of the Faculty's generous benefactor, that upon the character of the Bar depends that of the Bench and of the administration of justice, and to a great extent also the character of the public men and public life of the country ; that, in fact, from the ranks of no other profession are so many called to fill high positions of trust and to perform duties, the efficient and upright discharge of which is of vital importance to the community.

In re-organizing the Faculty, under the W. C. McDonald endowment, a number of well-known names have been added to the staff, as shown above, and the courses largely specialized. It was felt, that while professional men, engaged in the active practice of their profession, might be relied upon to deliver regularly a limited number of lectures, on special subjects, they could not be expected to undertake to submit to the serious interference with their business and inevitable interruptions involved in very lengthy courses. And to obviate the difficulties and drawbacks necessarily arising from sole dependence, as heretofore, on professional men in active practice, for attending to the interests and maintaining the efficiency of the Faculty, and to meet a deeply-felt want in this respect, the Dean has been appointed as a salaried officer, whose duty it will be primarily to devote his whole time to the work.

Further, the Professor of Legal Bibliography has been appointed secretary and librarian, and will have supervision of the Library—comprising at present the law libraries of the late Mr. Griffin, Q.C., of the late Chancellor Day, and of part of the library of the late Mr. Justice Mackay, all of which were bequeathed to the University ; and also of the law library of the late Mr. Justice Torrance, now the property of the Fraser Institute, of which he was a trustee—the use of which has been generously granted to the Faculty by the present trustees. The above law books will of themselves afford to the law student a library which will generally prove sufficient for his wants, and which will be kept up and added to by the expenditure of a sum annually in the purchase of books. There will also be provided in connection therewith a reading room, in which the leading law magazines and literature of the day will be found.

As a place for the study of law by professional students, Montreal affords undoubted advantages, among other reasons, on account of the great variety and extent of the legal business done there, the constant sitting of all the principal courts of the Province, and the large number of first-class law offices open to students; while for all students, and especially for students of historic and philosophic jurisprudence, no more interesting or attractive legal system exists than that prevailing in this Province, where may be daily seen and studied, not simply theoretically, but in active operation as parts of our law, the three famous systems of jurisprudence,—Roman, French and English,—with additions and modifications introduced by our own legislatures and courts. The imposing features of the Roman Law may be recognized throughout the greater portion of our Civil Code, often combined with or incorporated into that noble system elaborated and perfected by Pothier and other great French jurists, both of the ancient and modern epochs, which is the direct source of most of our Civil Law; while nearly the whole body of English Criminal and Constitutional Law and large portions of English Commercial Law are equally parts of the law of this Province.

The importance of the Notarial profession, and of a knowledge of notarial practice and conveyancing, has led to the appointment as a full member of the Faculty of a Professor of Notarial Law, whose course of lectures will be attended by all professional students.

With a view to extending as far as possible the usefulness of the Faculty, the courses of lectures on commercial subjects have been so arranged, that young men engaged in banks or other business houses can attend them without interference with their regular duties. Students of other departments of the University, and, in fact, all who may desire to do so, may attend such particular courses as they may see fit to select. It is hoped that the courses delivered will be found beneficial to all students, indeed to all who may desire to know something of the constitution and laws by which they are governed, and of a science which had been characterized by Burke as "the collected reason of ages, combining the principles of original justice with the infinite variety of human concerns."

While the Faculty accepts for matriculation the requirements stated in the Regulations below, it nevertheless strongly recom-

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mends students intending to study law to take the B.A. course in the Faculty of Arts as a preliminary qualification ; and if that be not attainable, as much as possible of the Arts course.

#### LECTURES AND EXAMINATIONS.

The classes in Law will begin on Monday, 2nd September, 1895, at 4 p.m.

The Supplemental and Matriculation Examinations will be held on the same day, at 10 a.m.

The lectures will be delivered in two terms : the first beginning on Monday, 2nd September, 1895, and the second beginning on Monday, 6th January, 1896.

The Examinations will be held in the William Molson Hall, McGill College building, at Christmas, and at the close of the session, and as announced below, unless otherwise determined by the Faculty.

The complete course of study in this Faculty extends over three years. Attendance at lectures is required of all students proceeding to the degree of B.C.L.

Professors Fortin and Lafleur will deliver their lectures in French.

#### SCHOLARSHIPS AND PRIZES.

Two scholarships, each of one hundred dollars, are offered for competition, the preference being given to students whose domicile is not in Montreal or vicinity. They will be awarded, after the Sessional Examinations in April, 1896, upon the results of the Examinations of the first year, and will be payable during the second year.

Prizes open to competition by all the students except the medalist and holders of scholarships will also be given to the students taking the best standing in each year.

No scholarship or prize shall, however, be awarded to any student unless a sufficiently high standing, in the estimation of the Faculty, be attained, to merit it.

#### CLASSIFICATION OF STUDENTS.

Matriculated Students who do not take the whole course are classed as Partial Students, and are not entitled to proceed to the Degree of B.C.L.

Occasional Students will be received without matriculation for attendance on any particular series of Lectures.

Students who have completed their course of three years, and have passed a satisfactory examination, will be entitled, upon the certificate and recommendation of the Faculty, to the Degree of Bachelor of Civil Law.

COURSE OF STUDY FOR 1895-96.

*Roman Law :*

1st Year.

- History of Roman Law .....
- Maine, Ancient Law .....
- Institutes of Justinian .....
- Gaius, Commentaries .....

2nd and 3rd Years.

- Institutes of Justinian .....
- Gaius, Commentaries .....
- Maine, Ancient Law .....
- Criminal Law .....
- Constitutional Law .....
- International Law .....

THE DEAN.

*Law of Real Estate :*

- History and nature of various kinds of tenure of real property in the Province and their incidents.....

Professor WURTELE.

*Commercial Law :*

- Negotiable Instruments .....

Professor DAVIDSON.

*Law of Contracts :*

- .....

Professor GEOFFRION.

*Legal Bibliography and History :*

- Sources of our Law : Imperial Statutes and English laws in force here ; Legislation within the Province ; Classification of authorities, French and English ; Bibliography .....

Professor MCGOUN

*Civil Law :*

- Prescription .....
- Privileges and Hypothecs .....
- Municipal Code .....

Professor FORTIN.

*Notarial Law :*

- Notarial Practice and Conveyancing .....

Professor MARLER

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*Civil Law:*

Lease and Hire.....Professor DOHERTY.

*Commercial Law:*

Law of Trade Marks, Patents and Copyright.....Professor ABBOTT.

*Commercial Law:*

Law of Evidence.....Professor LAVLEUR.

*Civil Procedure:*

Jurisdiction of the civil courts.....	} Lecturer RYAN.
General Rules of Pleading.....	
Code of Procedure.....	

FACULTY REGULATIONS.

1. Any person desirous of becoming a Matriculated Student may apply to the Secretary, Prof. McGoun, 181 St. James Street, for examination and entry in the Register of Matriculation, and shall procure a ticket of Matriculation and tickets of admission to the Lectures for each Session of the Course.

2. The Degree of B.A. obtained from any Canadian or other British University; or a certificate of having passed the examination before the Bar for admission to study Law in the Province of Quebec; or the intermediate Examination in the Faculty of Arts in McGill University, will be accepted in lieu of Examination for Matriculation in this Faculty. For other candidates the Matriculation Examination this year will be in the following subjects:—

*Latin.*—Virgil, *Æneid*, Book I.; Cicero, Orations I. and II. against Catiline, Latin Grammar.

*French.*—De Fivas' "Grammaire des Grammaires;" \*Molière, "Le Bourgeois Gentilhomme;" †Translation into French of Macaulay's Essay on Frederick the Great.

*Exercises in Composition* and Grammatical Analysis, in English and French.

*Mathematics.*—Arithmetic; Algebra to the end of Simple Equations; Euclid, Books I., II., III.

*History.*—White's Outline of Universal History (or any equivalent manual); \*Green's Short History of the English People; Miles' School History of Canada; †Duruy, *Histoire de France*.

*Literature.*—\*Collier's Biographical History of English Literature; †Laharpe *Cours de Littérature*; †Lefranc, *Cours de Littérature*.

*Rhetoric.*—Whately's *Rhetoric*; Blair's *Lectures* (small edition).

*Philosophy.*—\*Whately's *Logic*; †*Logique de Port Royal*; †Cousin, *Histoire de la Philosophie*; \*Stewart's *Outline of Moral Philosophy*.

N.B.—The works mentioned above preceded by an asterisk are for English Students only. Those preceded by a cross are for French Students only. The remainder are for both English and French.

3. Students of Law shall be known as of the First, Second and Third Years, and shall be so graded by the Faculty. In each year, Students shall take the studies fixed for that year, and those only, unless by special permission of the Faculty.

4. The register of Matriculation shall be closed on the 1st November in each year, and return thereof shall be immediately made by the Dean to the Registrar of the University. Candidates applying thereafter may be admitted on a special examination to be determined by the Faculty; and, if admitted, their names shall be returned in a supplementary list to the Registrar.

5. Persons desirous of entering as Partial Students shall apply to the Dean of the Faculty for admission as such Students, and shall obtain a ticket or tickets for the class or classes they desire to attend.

6. Students who have attended collegiate courses of legal study in other Universities, for a number of terms or sessions, may be admitted, on the production of certificates, to a like standing in this University, after examination by the Faculty.

7. All Students shall be subject to the following regulations for attendance and conduct:—

(1) A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted, and the said class-book shall be submitted to the Faculty at each monthly meeting; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to proceed to the examination in the respective classes.

(2) Punctual attendance on all the classes proper to his year is required of each Student. Professors will note the attendance immediately on the commencement of their lectures, and will omit the names of Students entering thereafter, unless satisfactory reasons are assigned. Absence or tardiness, without sufficient excuse, or inattention or disorder in the Class room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to and from it, Students are expected to conduct themselves in the same orderly manner as in the Class rooms. Any Professor observing improper conduct in the Class rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

(3) When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honours, suspend from classes, or report to the Corporation for expulsion.

(4) Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

(5) The number of times of absence, from necessity or duty, that shall disqualify for the keeping of a Session shall in each case be determined by the Faculty.

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(6) All cases of discipline involving the interests of more than one Faculty, or of the University generally, shall be reported to the Principal, or, in his absence, to the Vice-Principal.

8. The College year shall be divided into two terms, the first extending to the Christmas vacation, and the second from the expiration of the Christmas vacation to the end of April following.

The lectures will be delivered between the hours of half-past eight and half-past nine in the morning, and between four and half-past six in the afternoon; and special lectures in the evening, at such hours and in such order as shall be determined by the Faculty. Professors shall have the right to substitute an examination for any such lecture.

9. At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors, and of such other examiners as may be appointed by the Corporation; which examination shall be conducted by means of printed questions, answered by the Students in writing in the presence of the Examiners. The result shall be reported as early as possible to the Faculty.

After the examinations at the close of the second term, the Faculty shall decide the general standing of the Students, taking into consideration the examinations of both terms, both of which examinations shall be considered the Sessional or Final Examinations for the college year, as the case may be.

10. No Student shall be considered as having kept a Session unless he shall have attended regularly all the courses of Lectures, and shall have passed the Sessional Examinations to the satisfaction of the Faculty in all the classes of his year.

11. The Faculty shall have the power, upon special and sufficient cause shown to grant a dispensation to any Student from attendance on any particular Course or Courses of Lectures, but no distinction shall in consequence be made between the Examinations of such Students and those of the Students regularly attending Lectures. No Student shall pass the degree of B.C.L. unless he has prepared a Thesis, either in French or English, which shall have been approved by the Faculty.

12. The subject of such Thesis shall be left to the choice of the Student, but it must fall within the range of study of the Faculty, and shall not exceed twenty pages of thirty lines each. Each Student shall, on or before the first day of March, forward such Thesis to the Secretary of the Faculty, marked with the *nom de plume* which he shall adopt, and accompanied with a sealed envelope, bearing the same *nom de plume* on it, and containing inside his name and the subject of his Thesis, and the envelope shall be opened in presence of the Faculty after the final decision shall be given on the respective merits of the several Theses.

13. The Elizabeth Torrance Gold Medal, in the Faculty of Law, shall be awarded to the Student who, being of the Graduating Class, having passed the Final Examinations, and having prepared a Thesis of sufficient merit in the estimation of the Faculty to entitle him to compete, shall take the highest marks in a special Examination for the Medal, which examination shall include the subject of Roman Law.

14. Every Candidate, before receiving the Degree of B.C.L., shall make the following declaration :—

Ego A. B. polliceor, me, pro viribus meis, studiosum fore communis hujus Universitatis boni, operamque daturum ut decus ejus ac dignitatem amplificem, et officiis omnibus ad Baccalaureatus in Jure Civili gradum pertinentibus fungar.

15. The fees in the Faculty are as follows :—

Matriculation or Registration Fee . . . . .	\$ 5 00
Sessional Fee by Ordinary Students . . . . .	36 00
Grounds Fee, payable by all Students including Partial . . . . .	2 00
Graduation Fee, including registration as voter in election of fellows . . . . .	12 50
Fee for supplemental examination . . . . .	5 00
Sessional Fee by Partial Students, for each course . . . . .	3 00
For Partial Students who are students in other departments of the University or affiliated Colleges, taking two or more courses, a single fee of . . . . .	5 00

Matriculation and Sessional Fees must be paid on or before Nov. 1st ; and if not so paid, the name of the Student shall be removed from the books, but may be re-entered by consent of the Faculty, and on payment of a fine of not less than \$3. Students already on the books of the University shall not be required to pay any Matriculation Fee.

16. Partial Students may be admitted into any class on such terms as shall be arranged by the Faculty.

17. The requirements and conditions for obtaining the Degree of D.C.L. in course can be ascertained upon application to the Secretary of the Faculty.

#### SYLLABUS.

Monday, 2nd September, 1895. Matriculation and Supplemental Examinations Ordinary Lectures begin.

Saturday, 7th December. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the January Examination for admission to study or to practise Law in the Province of Quebec.

Monday, 6th January, 1896. Lectures, Second Term, begin.

Wednesday, 8th January. Bar Examinations take place at Montreal.

Tuesday, 25th February. Theses for Degree of B.C.L.

Monday, 27th April. Declaration of results of Examinations.

Thursday, 30th April. Convocation for Degrees in Law.

Monday, 3rd June. Last day for notice to be sent to Secretary of Section of the Bar by candidates at the July Examination for admission to study or to practise Law in the Province of Quebec.

Wednesday, 2nd July. Bar Examinations take place at Quebec.

#### EXAMINATIONS.

Dates of Examinations, subject to be changed, if need be, by the Faculty.

*Before Christmas :—*

Monday, 2nd September, 1895, at 10 a.m. Matriculation and Supplemental Examinations.

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Saturday, 19th October, 1895, at 3 p.m. On Preliminary Course on Obligati  
—The Dean.

Saturday, 26th October, 1895, at 4 p.m. Bibliography of the Law of Quebec—  
Prof. McGoun.

Saturday, 2nd November, 1895, 4 p.m. Lecturer Ryan—On Preliminary  
Course.

Saturday, 14th December, 1895, at 4 p.m. On Civil Law—Professor Fortin.

Monday, 16th December, 1895, at 4 p.m. On Commercial Law (Negotiable  
Instruments)—Professor Davidson.

*After Christmas :—*

Saturday, 8th February, 1896, at 4 p.m. On Contracts—Professor Geoffrion.

Saturday, 15th February, 1896, at 4 p.m. On Procedure—Lecturer Ryan.

Saturday, 22nd February, 1896, at 3 p.m. On —The Dean.

Saturday, 14th March, 1896, at 4 p.m. On Law of Real Estate—Professor  
Wurtele.

Saturday, 21st March, 1896, at 4 p.m. On Law of Evidence—Professor Lafleur.

Saturday, 18th April, 1896, at 4 p.m. On Law of Trade Marks, Patents and  
Copyright—Professor Abbott.

Monday 20th April, 1896, at 4 p.m. On Notarial Law—Professor Marler.

Tuesday, 21st April, 1896, at 4 p.m. On —Professor Fortin.

Wednesday, 22nd April, 1896, at 3 p.m. On —The Dean.

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## FACULTY OF LAW—TIME TABLE, 1895-96.

I. MONDAY, 2nd September, to FRIDAY, 4th October, 5 weeks.

HOURS.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.30 to 9.30 a.m.	Lect. Ryan.		Lect. Ryan.		Lect. Ryan.
4 to 5 p.m.	The Dean.	The Dean.	The Dean.	The Dean.	The Dean.
5 to 6 p.m.	Prof. McGoun.	Prof. McGoun.	Prof. McGoun.	Prof. McGoun.	Prof. McGoun.

II. MONDAY, 7th October, to FRIDAY, 8th November, 5 weeks.

8.30 to 9.30 a.m.	The Dean.	Prof. Fortin.	The Dean.	Prof. Fortin.	The Dean.
4 to 5 p.m.	Lect. Ryan.	Prof. Davidson.	Lect. Ryan.	Prof. Davidson.	Lect. Ryan.

III. MONDAY, 11th November, to FRIDAY, 13th December, 4 weeks.

8.30 to 9.30 a.m.	Prof. Fortin.	The Dean.	Prof. Fortin.	The Dean.	Prof. Fortin.
4 to 5 p.m.	Prof. Davidson.	Lect. Ryan.	Prof. Davidson.	Lect. Ryan.	Prof. Davidson.

IV. MONDAY, 6th January, to FRIDAY, 7th February, 5 weeks.

8.30 to 9.30 a.m.	Prof. Doherty.	Prof. Geoffrion.	Prof. Doherty.	Prof. Geoffrion.	Prof. Doherty.
4 to 5 p.m.	The Dean.	Prof. Laffleur.	The Dean.	Prof. Laffleur.	The Dean.
5 to 6 p.m.	Lect. Ryan.	Prof. Laffleur.	Lect. Ryan.	Prof. Laffleur.	Lect. Ryan.

V. MONDAY, 10th February, to FRIDAY, 13th March, 5 weeks.

8.30 to 9.30 a.m.	The Dean.	Prof. Doherty.	The Dean.	Prof. Doherty.	The Dean.
4 to 5 p.m.	Prof. Laffleur.	Prof. Wurtelle.	The Dean.	Prof. Wurtelle.	The Dean.
5 to 6 p.m.		Prof. Abbott.	Prof. Laffleur.	Prof. Abbott.	Prof. Laffleur.

VI. MONDAY, 16th March, to FRIDAY, 17th April, 5 weeks.

8.30 to 9.30 a.m.	The Dean.	Prof. Fortin.	The Dean.	Prof. Fortin.	The Dean.
4 to 5 p.m.	Prof. Abbott.	Prof. Marler.	Prof. Abbott.	Prof. Marler.	Prof. Abbott.

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APPENDIX.

The attention of intending Students is called to the following provisions of the Revised Statutes of Quebec and amendments, as bearing on the requirements for the study and practice of Law in the Province :—

ARTICLE 3544 R.S.Q.—Examinations for admission to study and to practise law in the Province of Quebec are held at the time and place determined by the General Council.

The places and dates as at present fixed are :

**MONTREAL.....Wednesday, 8th Jan., 1896.**

**QUEBEC.....Wednesday, 2nd July, 1896.**

and alternately at Montreal and Quebec every six months, namely—at Montreal on the second Wednesday of each January, and at Quebec on the first Wednesday of each July.

All information concerning these examinations can be obtained from the General Secretary's Office. The present General Secretary is W. C. Languedoc, Esq., Quebec.

ARTICLE 3546.—Candidates must give notice as prescribed by this article, at least one month before the time fixed for the examination, to the Secretary of the Section in which he resides, or in which he has resided for the last six months.

The present Secretary of the Montreal Section is L. E. Bernard, Esq., New York Life Building, Montreal.

ARTICLE 3503a.—Added by Statute of Quebec, 3 Victoria (1890), Cap. 45, provides that Candidates holding the diploma of Bachelor of Arts, Bachelier-es-Lettres, or Bachelier-es-Science from a Canadian or other British University, is dispensed from the examination for admission to study. Such Candidates are required to give the notice mentioned above.

ARTICLE 3548 R.S.Q. (as altered by by-law of the General Council).—On giving the notice prescribed by Article 3546, the Candidate pays the Secretary a fee of \$2, and makes a deposit of \$30 for admission to study, or of \$70 for admission to practice, which deposit, less \$10, is returned in case of his not being admitted.

ARTICLE 3552 (amended 1894, Q. 57 Vic., c. 35).—To be admitted to practice, the Student must be a British subject, and must have studied regularly and without interruption during ordinary office hours, under indentures before a Notary, as Clerk or Student, with a practising Advocate, during Four Years, *dating from the registration of the certificate of admission to study.* This term is reduced to Three Years in the case of a student who has followed a regular law course in a University or College in this Province, and taken a degree in law therein.

VI. MONDAY, 16th March, to FRIDAY, 17th April, 5 weeks.

8.30 to 9.30 a.m. 4 to 5 p.m. 5 to 6 p.m.	The Dean. Prof. Abbott.	Prof. Fortin. Prof. Marler.	The Dean. Prof. Abbott.	Prof. Fortin. Prof. Marler.	The Dean. Prof. Abbott.
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REQUIREMENTS FOR DEGREE OF DOCTOR OF CIVIL LAW.

ADOPTED OCTOBER, 1881.

Every Candidate for the degree of D.C.L. in Course must be a Bachelor of Civil Law of twelve years' standing, and must pass such examination for the Degree of D.C.L. as shall be prescribed by the Faculty of Law. He shall also, at least two months before proceeding to the Degree, deliver to the Faculty twenty-five printed copies of a Thesis or Treatise of his own composition on some subject, selected or approved by the Faculty, such Thesis to contain not less than fifty octavo pages of printed matter, and to possess such degree of merit as shall, in the opinion of the Faculty, justify them in recommending him for the degree.

The candidate shall also pay to the Secretary of the Faculty, annually during the period of twelve years, for the retention of his name on the books of the Faculty, a fee of two dollars, to form part of the Library Fund of the Faculty. Upon cause shown, however, and with the consent of the Faculty, such fees may be paid at one time before the granting of the degree.

The Examination for the Degree of D.C.L. in Course, which shall be open to all who have taken the degree of B.C.L. of this University in the past, as well as to such as may take the degree in future, shall, until changed, be on the following subjects and authors, with the requirement of special proficiency in some one of the groups below indicated. In the groups other than the one selected by the Candidate for special proficiency, a thorough acquaintance with two works of each group shall be sufficient, including in all cases the work first mentioned in each group and the first two works in group third.

I. INTERNATIONAL LAW.

- Phillimore, International Law.
Hall,
Wharton, Conflict of Laws.

Savigny,
Foelix,
Brocher,
Dicey,
Story,
Maine, I

Ortolan's
Mommse
Roby's I
Muirhead
Mackenz
Savigny's
Bryce's I
Institutes
Fustel de

Dicey's I
Stubbs' C
Hearn, C
Bagehot,
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Gneist, C
Hallam, C
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Bentham,
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Todd, Parl
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Savigny's International Law, by Guthrie.  
 Fœlix, Droit International Privé.  
 Brocher, Droit International Privé.  
 Dicey on Domicile.  
 Story, Conflict of Laws.  
 Maine, Lectures on International Law.

## 2. ROMAN LAW.

Ortolan's Institutes.  
 Mommsen's History of Rome.  
 Roby's Introduction to the Digest.  
 Muirhead's Roman Law.  
 Mackenzie's Roman Law.  
 Savigny's Roman Law in the Middle Ages.  
 Bryce's Holy Roman Empire.  
 Institutes of Gaius.  
 Fustel de Coulanges, La Cité Antique.

## 3. CONSTITUTIONAL HISTORY AND LAW.

Dicey's Law of the Constitution.  
 Stubbs' Constitutional History of England.  
 Hearn, Government of England.  
 Bagehot, English Constitution.  
 Franqueville, Gouvernement et Parlement Britanniques.  
 Gneist, Constitution of England.  
 Hallam, Constitutional History of England.  
 May, " " "  
 Gardiner, " " "  
 May, Democracy in Europe.  
 Freeman, Growth of the English Constitution.  
 Mill, Representative Government.  
 Bentham, Fragment on Government.  
 Maine, Popular Government.

## 4. CONSTITUTION OF CANADA AND WORKS RELEVANT THERETO.

Todd, Parliamentary Government in the British Colonies.  
 Bourinot, Federal Government in Canada.  
 Doutre, Constitution of Canada.

Cartwright, Cases under the British North America Act.  
 Lord Durham's Report on British North America.  
 Lareau, Histoire du Droit Canadien.  
 Houston's Constitutional Documents of Canada.  
 Volume O., Statutes of Lower Canada.  
 Masères' Collection of Quebec Commissions.  
 Laferrière, Essai sur l'Histoire du Droit Français.  
 Dilke, Problems of Greater Britain.  
 Matthews (Jehu), A Colonist on the Colonial Question.  
 Bryce, American Commonwealth.  
 Curtis, History of the Constitution of the United States.  
 Cooley, Principles of Constitutional Law.

#### 5. CRIMINAL LAW, JURISPRUDENCE AND POLITICAL SCIENCE.

Stephens, History of the Criminal Law.  
 Blackstone, Vol. IV.  
 Harris, Principles of Criminal Law.  
 Pike, History of Crime.  
 Holland's Elements of Jurisprudence.  
 Austin, Lectures, omitting chapters on Utilitarianism.  
 Lorimer's Institutes.  
 Amos, Science of Law.  
 Woolsey, Political Science.  
 Lieber, Political Ethics.  
 Freeman, Comparative Politics.  
 Aristotle's Politics, by Jowett.

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## Faculty of Comparative Medicine and Veterinary Science.

THE PRINCIPAL (*Ex-officio*).

*Professors :*

MCEACHRAN (D.),      BAKER,      MCEACHRAN (C.)

*Associate Professors :*

GIRDWOOD,	PENHALLOW.
WILKINS,	MILLS.
BLACKADER,	ADAMI.

Dean of the Faculty :—D. MCEACHRAN, D.V.S.

Registrar :—C. MCEACHRAN, D.V.S.

The Seventh Session of the Faculty (being the thirtieth of the Montreal Veterinary College) will be opened on the 24th September, 1895, by an introductory lecture, at 8 p.m., in the lecture-room of the Faculty, No. 6 Union Avenue. The regular courses of lectures will begin on 2nd October, at the hours named in the time table, and will continue till the end of March.

The complete curriculum in this Faculty extends over three years. Graduates of recognized Medical Colleges are allowed to present themselves for examination after regular attendance on one full sessional course ; graduates of recognized Agricultural Colleges, in which Veterinary Science constitutes a branch of study, after regular attendance for two full courses.

Allowances will be made to students of Human or Comparative Medicine, or others who can produce certified class tickets for attendance on any of the subjects embraced in the curriculum from any recognized college or university.

Graduates and students who avail themselves of the above privileges will nevertheless be required to pass an examination in the subjects comprised in the three years' course, unless, from satisfactory evidence otherwise produced, the examiners consider it to be unnecessary.

Graduates of recognized Veterinary Colleges, desirous of taking the degree, may do so by attendance on the final subjects for one full session, but will be required to pass the examination on all the subjects embraced in the curriculum, botany excepted.

Partial and Agricultural students will be received without matriculation for attendance on any particular series of lectures. Such students will not be examined, nor will they be entitled to receive class certificates except as Partial students, nor will such attendance be accepted should the student subsequently wish to become a regular student of the Faculty.

#### MATRICULATION.

Every student, previous to his admission, must produce a certificate of educational acquirements satisfactory to the Faculty, or submit himself to a matriculation examination in (1) writing, (2) reading aloud, (3) dictation, (4) English grammar, (5) composition, (6) outlines of geography with special reference to North America, (7) arithmetic (including vulgar and decimal fractions).

A. N. Shewan, M.A., will hold the matriculation examination on Saturday, 28th Sept., 9 a.m., at the College, 6 Union Avenue, when all those intending to enter the course should present themselves for examination. Candidates possessing certificates of education or of previous matriculation should produce them for the inspection and approval of the examiner. Graduates of any Faculty in a recognized University or Agricultural College are not required to pass this examination.

No College is recognized unless its students are required to pass a matriculation examination.

NOTE.—It is contemplated to add the rudiments of Latin to the requirements for matriculation in the near future.

#### REGISTRATION AND PAYMENT OF FEES.

The following are the College regulations:

All students desirous of attending the classes shall, at the commencement of each session, enroll their names and residences in the register of the Faculty, and procure from the Registrar a ticket of registration, for which each student shall pay a fee of \$5.

The said register shall be closed on the last day of October in each year. The fees are payable to the Registrar, and all class tickets will be issued by him, and must be paid in advance (except under special circumstances) at the time of registration.

All students must register, including those who receive free bursaries.

Fees for the whole course are \$180, which may be paid in three annual payments of \$60 each, which, in all cases, must be paid on entering. Matriculation fee, \$5, which is to be paid prior to the examination; \$5 for registration; and \$5.

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for re-registration, payable at the beginning of each of the following two Sessions, and \$20 on receiving the diploma. Students who are allowed time for previous study will be required to pay full fees. Payments must be made in all cases as above.

#### SCHOLARSHIPS.

The Faculty offers for competition this session (1895 6) two scholarships of fifty dollars each: one for First, and the other for Second year Students. These scholarships will be awarded to the student in each year who has the highest aggregate and who obtains not less than fifty per cent. in any one subject, and an average of seventy-five per cent. of the total number of marks attainable.

#### STUDENTS OF THE PROVINCE OF QUEBEC.

In consideration of the annual grant, the Council of Agriculture has the privilege of sending thirteen pupils, free of expense, to the whole course; such students, however, pay a fee of \$5 for the course in Botany and \$5 annually for registration. These Bursaries may be obtained by young men resident in the Province of Quebec, by application made to the Dean of the Faculty in the handwriting of applicant, accompanied by a recommendation from the Agricultural Society of the district in which he resides, provided the Council considers him qualified by education and in other respects for entering the College.

In all cases, except when specially arranged, holders of Bursaries will be required to give a guarantee that they will attend three Sessions; and failing to do so, they shall be required to pay the fees for the Sessions which they have attended.

#### GENERAL REGULATIONS.

Students of this Faculty will be graded as of the First, the Second, and the Final year.

In each year students will take the studies fixed for that year only, unless by special permission of the Faculty.

Persons desirous of entering as Partial Students shall apply to the Dean of the Faculty for admission, and shall obtain a ticket or tickets for the class or classes they desire to attend.

All Students shall be subject to the following regulations as regards attendance and conduct:—

A class-book shall be kept by each Professor and Lecturer, in which the presence or absence of Students shall be carefully noted; and the said class-book shall be submitted to the Faculty at a meeting to be held between the close of the lectures and the commencement of the examinations; and the Faculty shall, after examination of such class-book, decide which Students shall be deemed to have been sufficiently regular in their attendance to entitle them to be admitted to the examinations in the respective classes.

Punctual attendance on all the classes proper to his year is required of each Student. Absence or tardiness, without sufficient excuse, or inattention or disorder in the class-room, if persisted in after admonition by the Professor, will be reported to the Dean of the Faculty, who may reprimand the Student or report to the Faculty, as he may decide. While in the building, or going to or from it, Students are expected to conduct themselves in the same orderly manner as in the Class-rooms. Any Professor observing improper conduct in the Class-rooms, or elsewhere in the building, will admonish the Student, and, if necessary, report him to the Dean.

When Students are reported to the Faculty under the above rules, the Faculty may reprimand, report to parents or guardians, disqualify from competing for prizes or honors, suspend from classes, or report to the Corporation for expulsion.

Any Student injuring the furniture or building will be required to repair the same at his own expense, and will, in addition, be subject to such penalty as the Faculty may see fit to impose.

All cases of discipline involving the interest of more than one Faculty, or of the University generally, shall be reported to the Principal, or in his absence, to the Vice-Principal.

The College year shall be divided into two terms, the first extending to the Christmas vacation and the second from the expiration of the Christmas vacation to the 30th March following.

Each lecture shall be of one hour's duration, but the Professors shall have the right to substitute an examination for any such lecture.

At the end of each term there shall be a general examination of all the classes, under the superintendence of the Professors and such other examiners as may be appointed by the Corporation. The results shall be reported as early as possible to the Faculty.

The Students have all the privileges of the McGill Medical Faculty's Laboratories, which are thus described in their annual calendar :—

#### PHYSIOLOGICAL LABORATORY.

The Physiological Laboratory, which is situated on the ground floor, is supplied with the most modern apparatus for the practical teaching of this most important branch of the medical curriculum. It contains, amongst other valuable instruments; kymographs, various manometers, etc., for demonstrating blood pressure; myographs, rheocords, moist chambers, etc., and various electrical appliances for demonstrating experiments in connection with nerve and muscle; special apparatus for illustrating various points in respiration; apparatus specially suitable for demonstrating the processes of digestion, as well as the chemical composition and nature of the secretions, and the chief constituents of the tissues and nutritive fluids. The laboratory is arranged in such a way as to permit of Students assisting at, and taking part in, these demonstrations. [During the past

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session, important additions of apparatus have been made to the Physiological Laboratory.]

#### CHEMICAL LABORATORY.

The Chemical Laboratory is large, lofty and well lighted, and can accommodate comfortably 76 men at one time. Each Student, when entering on his course, has a numbered table in the laboratory assigned to him for his use during the session. Each table has its own gas and water fixtures, and is provided with shelves for its corresponding set of reagent-bottles, as well as a drawer and locker containing a modern set of chemical apparatus specially adapted for the work. This apparatus is provided by the Professor of Chemistry, and supplied to each Student without extra charge. The Student is required to pay only for apparatus broken or destroyed.

The laboratory is furnished with a large draught closet for ventilation, sulphuretted hydrogen apparatus, gas and combustion furnaces, etc., giving to the Student unsurpassed advantages for acquiring a sound and practical knowledge of medical chemistry.

#### PATHOLOGICAL LABORATORY.

In the Pathological Laboratory, accommodation will be provided for Students or practitioners who desire to carry on advanced study or private pathological research.

The Laboratory has been entirely rebuilt recently, and is well stocked with the usual apparatus for pathological and bacteriological work.

The demonstrations in Morbid Anatomy will be given in a small laboratory, specially arranged for the work.

The classes in Pathological Histology will be held in the Histological Laboratory.

#### HISTOLOGICAL LABORATORY.

The Histological Laboratory is a large, well lighted room on the second floor. It is so arranged, that over eighty students can be present at the microscopical demonstrations. For this purpose, it is supplied with thirty-five microscopes, all from the well known makers, Zeiss, Hartnack and Leitz. From the large number of microscopes employed, students will have special facilities in studying and making themselves thoroughly acquainted with the specimens that are subjects of demonstration.

#### PRACTICAL MICROSCOPY.

This is an entirely optional course, in charge of Prof. Wilkins, assisted by Dr. Gunn. It is intended especially for teaching the technique of Microscopy. Students will be shown how to examine blood, etc., also to cut, stain, and mount

specimens. For this purpose they will have furnished them normal structures, with which they will be able to secure a cabinet of at least 100 specimens, which will be of great benefit when in practice. Reagents and apparatus, except cover-glasses and cabinet cases, provided. Fee, \$8.

## COURSES OF LECTURES.

### BOTANY.\*

D. P. PENHALLOW, B.Sc.

The course in Botany includes General Morphology, Histology, Physiology and Classification. It is designed to give special prominence to Physiology, which will be made comparative whenever practicable. The course is illustrated by the microscope and gas microscope, and by the collections, models and apparatus in the Redpath Museum. Use is also made of the resources for practical instruction in Morphology, now afforded by the Botanic Garden.

### ZOOLOGY.\*

W. E. DEEKS, B.A., M.D.

This course includes a systematic study of the classification of animals, illustrated by Canadian examples and by the collections in the Peter Redpath Museum. It affords suitable preparation for collecting in any department of Canadian Zoology or Palæontology, and as an introduction to Comparative Physiology.

Students in Botany or Zoology will receive tickets to the Peter Redpath Museum and to the Museum of the Natural History Society of Montreal.

It is optional with students to select either the course on Botany or on Zoology.

### CHEMISTRY.

GILBERT P. GIRDWOOD, M.D.

Inorganic Chemistry is fully treated; a large portion of the course is devoted to Organic Chemistry and its relations to Medicine. The branches of Physics bearing upon or connected with Chemistry also engage the attention of the Class. For experimental illustration, abundant apparatus is possessed by the College.

The Chemical Laboratory will be open to members of the Class to repeat experiments performed during the course, under the superintendence of the Professor or his Assistant.

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\* Students may take either Botany or Zoology, but must intimate at the beginning of the Session their choice, and adhere to this, except by special permission of the Faculty. Students desiring to attend both subjects in one session may do so by permission of the Faculty.

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## PHYSIOLOGY.

WESLEY MILLS, M.D.

The purpose of this Course is to make Students thoroughly acquainted, so far as time permits, with modern Physiology, its methods, its deductions, and the basis on which the latter rest. Accordingly, a full course of lectures is given, in which both the Experimental and the Chemical departments of the subject receive attention.

In addition to the use of diagrams, plates, models, etc., every department of the subject is experimentally illustrated. The experiments are free from elaborate *technique*, and many of them are of a kind susceptible of ready imitation by the student.

Laboratory work for Senior Students:—

(1) During the first part of the Session there will be a course on Physiological Chemistry, in which the Student will, under direction, investigate food stuffs, digestive action, blood, and the more important secretions and excretions, including urine. All the apparatus and material for this course will be provided.

(2) The remainder of the Session will be devoted to the performance of such experiments as are unsuitable for demonstration to a large class in the lecture room, and such as require the use of elaborate methods, apparatus, etc.

## HISTOLOGY.

GEO. WILKINS, M.D.

This will consist of a course of ten lectures and twenty-five weekly demonstrations with the microscope. As the demonstrations will be chiefly relied upon for teaching the Microscopic Anatomy of the various structures, the specimens under observation will then be minutely described. Plates and diagrams specially prepared for these lectures will be freely made use of.

## COMPARATIVE PATHOLOGY.

J. G. ADAMI, M.D.

The teaching in Pathology in the McGill Medical Faculty includes courses in general and special Pathology, in Bacteriology (held during the Summer Session) and instruction in the performance of Autopsies. These courses—while directed especially towards giving to the Students a due knowledge of the causation and course of disease in man—are necessarily based largely upon the results of observations upon the lower animals, and the greater part of all these causes is applicable equally to conditions obtaining in the domestic animals. There is in addition a practical course of Pathological Histology for Students of Comparative Medicine, and instruction is given upon the performance of Autopsies upon the lower animals.

## MEDICINE AND SURGERY.

D. MCEACHRAN, F.R.C.V.S.

Students of all years must attend.

The course embraces the principles and practice of Veterinary Medicine, including the diseases of domestic animals, their nature, causes, symptoms and treatment. It necessarily includes Pathology and Pathological Anatomy, with daily clinical demonstrations in the hospital and the yard practice of the College, as well as illustrations from plates, preserved specimens, and fresh material furnished by the Pathologist.

The course on Surgery embraces Surgical Anatomy and Practice of Surgery, and will be illustrated by a large collection of surgical appliances.

The large and varied practice of the College furnishes abundance of cases for demonstration purposes.

Special lectures will be given on Sanitary Science, Quarantine, inspection of meat and milk, and also on the examination of horses for soundness.

## ANATOMY.

M. C. BAKER, D.V.S.

In this course the Anatomy of the horse is the subject of special study; while the structural differences of all the domestic animals are carefully explained and illustrated by fresh subjects. There is a very large collection of anatomical models by Dr. Auzoux, of Paris, natural injections and dissections, and a most complete collection of diagrams, including Marshall's complete set, M. Achille Comte's Anatomical and Zoological series, also a large collection of drawings specially prepared for the school by Mr. Scott Leighton, artist, Boston, and Mr. Hawksett, Montreal.

The dissecting room is open at all hours, subjects are easily procured, and either the Professor or Demonstrator will be in attendance to superintend and direct students in practical dissection. The room is furnished with every convenience, is thoroughly lighted, and affords students all that can be reasonably desired.

Students are required to pay for the material necessary for practical anatomy.

Before a student can be allowed to present himself for his pass examination, he must produce tickets certified by the demonstrator that he has dissected two entire subjects, that is, one each session.

## MATERIA MEDICA AND THERAPEUTICS.

M. D. BLACKADER, M.D.

This course comprises a description of the physiological and therapeutic action of all the more important medicines used in Veterinary Practice, with a short

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reference to their general properties and principal preparations. It will also include a course in the practical work of compounding and administering medicines in the pharmacy and hospital. There will also be a few experimental demonstrations of the action of some of the more important drugs on animals.

### CATTLE PATHOLOGY AND OBSTETRICS.

C. MCEACHRAN, D.V.S.

A special course on Cattle Disease and Veterinary Obstetrics will be delivered, embracing the history of Cattle Plague; their nature, symptoms, pathological anatomy, prophylactic and therapeutic treatment; breeding and general management of breeding animals; diseases incident to gestation and parturition, etc.

### SPECIAL COURSE ON DOGS.

Professor Wesley Mills will give a special course on Dogs, which will include:—

(1) Lectures on the physical and psychic characteristics of all the leading varieties, illustrated by specimens from his own kennels and other sources, as well as by plates, etc.

(2) The principles of training; the feeding and general management of dogs.

(3) The principles of breeding; the management of brood bitches and the rearing of puppies.

(4) Bench show management and the public judging of dogs.

(5) The rights and duties of dog owners.

In all of the above courses the clinical and pathological aspects of the subjects will be considered, as well as the normal.

### THE MUSEUM

contains a large collection of natural and artificial specimens, consisting of skeletons of almost all the domestic animals, numerous specimens of diseased bones, preparations by Dr. Auzoux of all the different organs in the body, natural dissections, colored models, diagrams, etc., etc., all of which are used in illustrating the lectures, and to which the Students have frequent opportunities of referring. Students will also enjoy the privileges of the Museum of the Medical Faculty of McGill University, which is rich in pathological specimens.

### THE PHARMACY.

All the medicines used in the practice of the College are compounded by the Students, under the direction of the Professors, from prescriptions for each particular case, and most of them are administered or applied by them. For this purpose they are detailed for certain pharmaceutical duties alternately. By this

means they become familiar with the physical properties, compatibilities, doses, and uses of the medicines, and become expert in administering them to the different patients brought for treatment.

#### THE PRACTICE.

The Hospital and Daily Clinics, as well as a very extensive out-door practice, including most of the largest stables in the city and numerous farms in the vicinity, afford excellent opportunities for clinical observation on horses of all breeds and ages. Owing to the number of cattle kept in the city, and the valuable thoroughbred herds in the neighborhood, advanced students are enabled to see and do considerable cattle practice. The dog practice is the largest in Canada. All canine diseases can be studied clinically, owing to the large number of dogs brought to the College for medical or surgical treatment.

Senior Students will be appointed to act alternately as dressers in the Hospital, and first and second year men must assist in administering medicines and at operations.

#### FREE CLINICS.

To afford the Students still more extensive opportunities of clinical observation, an hour a day will be given to free clinics for animals belonging to the poor, which will be duly advertised.

#### TEXT-BOOKS.\*

The following text-books are recommended:—

*Anatomy*—Chauveau's Comparative Anatomy; Strangeway's Veterinary Anatomy; McFadeyan's Veterinary Anatomy.

*Physiology*—Huxley's Elementary Lessons; Prof. Mills' Text-Book of Comparative Physiology; Outlines of lectures by the same author.

*Histology*—Klein's Elements; Schafer's Essentials of Histology.

*Botany*—Gray's Structural Botany; Bessey's Botany.

*Zoology*—Dawson's Handbook.

*Chemistry*—Wurtz's Elementary Chemistry; Armstrong; Remsen's Organic Chemistry.

*Medicine and Surgery*—Williams' Principles and Practice of Veterinary Medicine; Fleming's Sanitary Science and Police; Williams' Surgery; Fleming's Operative Surgery; Robertson's Equine Medicine; Lautard's Operative Veterinary Surgery.

*Materia Medica*—Dun's Veterinary Medicines; Walley's Veterinary Conspectus; Tuson's Pharmacy.

\*Students are advised not to buy text-books extensively till after consultation with the Professor who teaches the subject.

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*Cattle Diseases*—Steel's Bovine Pathology; Clatter's Cattle Doctor (Armitage); Fleming's Veterinary Obstetrics.

*Canine Diseases*.—Prof. Mills' The Dog in Health and in Disease; Hill on the Dog.

*Entozoa*—Cobbold's Entozoa of Domestic Animals.

*Pathology*—Payne's Pathology.

#### BOARD AND TRAVELLING EXPENSES.

Board can be obtained at from \$15 to \$20 per month.

By the kindness of the Railway Companies, certified students of the College will be granted return tickets from Montreal to any part of their lines at greatly reduced rates, the said tickets to hold good from the close of one session to the beginning of the next.

Return tickets will also be granted for the Christmas vacation.

#### VETERINARY MEDICAL ASSOCIATION.

This Association is for the mutual improvement of its members in all matters pertaining to the profession.

The members are graduates and students of Veterinary Medicine, also graduates and students of Human Medicine.

The meetings are held fortnightly, at which papers are read and discussed, cases reported, etc.

The advantages which students derive from these meetings are very great. Not only do they hear carefully prepared papers on subjects of professional importance, but an opportunity is afforded for practising public speaking which in after-life is often extremely useful. The fees of the Association are expended in the purchase of books for the Library, drugs for experimental purposes, and the prizes awarded for papers read.

The Library is owned by the Association, and is under the control of officers who are elected annually. It contains nearly 600 volumes, embracing works of great antiquity, as well as the modern works on Veterinary Science and collateral subjects, in both the English and French languages, all of which are available for consultation and study by members.

Every student is expected to become a member. The entrance fee is \$5, and the yearly subscription \$2.50. A Diploma of Honorary Fellowship is conferred on all members who have complied with the regulations of the Association.

#### ASSOCIATION FOR THE STUDY OF COMPARATIVE PSYCHOLOGY.

This Society is similar in constitution to the Veterinary Medical Association.

Its object is the study of the Psychic Phenomena (intelligence, etc.) of all classes of animals, and the diffusion of sounder views on this subject.

Naturally, it is of great importance in the practice of medicine upon dumb animals, as well as of peculiar scientific interest.

## QUALIFICATIONS FOR THE DEGREE.

Candidates for the Final Examination shall furnish testimonials of attendance on lectures on the following subjects:—

Either Botany or Zoology, Histology,	} One course of six months, 1st year.
Chemistry, Physiology, Anatomy,	
	} Two courses of six months, 1st and 2nd years.
General Pathology and Demonstrations, Cattle Diseases and Obstetrics, Practice of Medicine and Surgery, Materia Medica and Therapeutics,	
	} Two courses 2nd and 3rd years.

No one will be permitted to become a candidate for examination who shall not have attended at least one full course of lectures in this Faculty, including all the subjects embraced in the curriculum.

Courses of less length than the above will be received only for the time over which they have extended.

Students, except by special permission of the Faculty, must pursue the subjects of Anatomy, Chemistry, Histology and Botany in their first session, and are advised to take Physiology in addition.

Candidates who fail to pass in not more than two subjects of the first two years may be granted a supplemental examination at the beginning of the following session.

Supplemental examinations will not be granted, except by special permission of the Faculty, and on written application, stating reasons.

Candidates who fail to pass in a subject of which two courses are required may, at the discretion of the Faculty, be required to attend a third course, and furnish a certificate of attendance thereon.

In addition to the written and oral examinations, candidates must pass a practical clinical test, including examination of horses for soundness, written reports being required; the clinical reports to include diagnosis, prognosis and treatment.

The following oath or affirmation will be exacted from the candidate before receiving the degree:—

DECLARATION OF GRADUATES IN COMPARATIVE MEDICINE AND  
VETERINARY SCIENCE.

I, ———, promise and solemnly declare that I will, with my best endeavors, be careful to maintain the interests of this University, and that, to the best of my ability, I will promote its honor and dignity.

## EXAMINATIONS.

First Year.—Pass Examinations in Botany or Zoology and Histology (oral), and sessional examinations on the other subjects of the course of the year.

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Second Year.—Pass Examinations in Chemistry, Physiology, Histology (written) and Anatomy, in addition to sessional examinations.

Third Year.—Pass Examinations in Practice of Medicine and Surgery, General and Special Pathology, Veterinary Obstetrics, Diseases of Cattle and Materia Medica and Therapeutics.

N.B.—Sessional Examinations will be held from time to time during the session, and attendance at these is compulsory. The standing attained at these examinations will be taken into account at pass examinations.

#### AGE FOR GRADUATION.

Students under seventeen will be received as apprentices, but cannot be entered as regular Students before attaining that age.

Minors may pass the Examinations, but cannot receive the Diploma until they are twenty-one years of age.

#### HINTS TO STUDENTS.

The Matriculation Examination which you have to undergo is by no means a severe one; and if you are not prepared to pass it, you should begin at once to improve your education.

You had better not commence professional reading till you have become familiar with the fundamental subjects. Practice, except under the guidance of a thoroughly educated practitioner, is more likely to mislead than aid you.

It is advisable that you should arrive in Montreal before the opening day, so as to give you time to procure suitable lodgings. Endeavor by all means to be present at the introductory lectures on all subjects; you cannot miss one lecture without thereby losing valuable preparatory information. Come prepared to procure at once the necessary text-books and note-books. Make your arrangements so as to enable you to devote your entire time and undivided attention to your studies, as the three sessions which the curriculum covers will be found none too long to accomplish the necessary proficiency in the various branches of study required of you.

#### NOTICE TO GRADUATES.

For the purpose of increasing pathological material for the classes, Graduates are earnestly requested to send any interesting or obscure pathological specimens which may be met with in their practice to the Pathologist at the Veterinary College, No. 6 Union Avenue. The specimens may be sent C.O.D. by express, and will in all cases be acknowledged. A report upon the nature of the specimen will be sent if desired; and the specimens, when of sufficient interest, will be preserved in the Museum with the names of the donors affixed.

## ORDER OF LECTURES.

	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 to 9 a.m.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Anatomy.	Practical Anatomy.
9 to 10 a.m.	Practice of Medicine and Surgery.	Practice of Medicine and Surgery.	Practice of Medicine and Surgery.	Practice of Medicine and Surgery.	Practice of Medicine and Surgery.	Clinical Surgery.
10 to 11 a.m.	Cattle Pathology. 2nd and 3rd Year.	Pathology. 2nd and 3rd Year.	Cattle Pathology. 2nd and 3rd Year.	Pathology 3rd Year.	Pathology. 2nd and 3rd Year.	Pathological Demonstration.
11 a.m. to 12 m.	Practical Pharmacy and Hospital Practice.	Practical Pharmacy and Hospital Practice.	Practical Pharmacy and Hospital Practice.	Practical Pharmacy and Hospital Practice.	Practical Pharmacy and Hospital Practice.	Botany Demonstration. Practical Physiology.
1 to 2 p.m.	Physiology. 2nd Year.	Physiology. 2nd Year.	Physiology. 2nd Year.	Physiology 2nd Year.	Physiology. Demonstration. 1st and 2nd year men.	Histologic. 1 Demonstration.
2 to 3 p.m.	* Materia Medica	Botany.	*Materia Medica.	Botany.		
3 to 4 p.m.	Physiology. 1st Year.	Physiology. 1st Year.	Physiology. 1st Year.	Physiology. 1st Year.	Histology.	
4 to 5 p.m.	Chemistry.	Chemistry. † Materia Medica 5 to 6	Chemistry.	Chemistry. †Materia Medica 5 to 6.	Chemistry.	Examination of Horses for Soundness.
8 to 10 p.m.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	Practical Anatomy.	

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## McGill Normal School.

The McGill Normal School in the city of Montreal is established chiefly for the purpose of training teachers for the Protestant population, or for all religious denominations of the province of Quebec other than the Roman Catholic. The studies in this school are carried on chiefly in English, but French is also taught.

### GOVERNMENT OF THE SCHOOL.

The Corporation of McGill University is associated with the Superintendent of Public Instruction in the direction of the McGill Normal School, under the regulations of the Protestant Committee of the Council of Public Instruction, and it is authorized to appoint a standing committee consisting of five members, called "The Normal School Committee," which shall have the general supervision of the affairs of the Normal School. The following members of the Corporation of the University constitute the committee of the Normal School for the Session of 1895-96.

### NORMAL SCHOOL COMMITTEE.

The Principal of the University, *Chairman*.

MR. SAMUEL FINLEY, }  
MR. GEORGE HAGUE, } Governors of McGill College.

J. R. DOUGALL, M.A., }  
Principal McVICAR, D.D., LL.D., } Fellows of McGill University.  
J. W. BRAKENRIDGE, B.C.L., *Acting Secretary*.

## OFFICERS OF INSTRUCTION.

## MCGILL NORMAL SCHOOL.

SAMPSON PAUL ROBINS, M.A., LL.D., *Principal and Ordinary Professor of Mathematics, and Lecturer on Art of Teaching.*

ABNER W. KNEELAND, M.A., *Ordinary Professor of English Language and Literature.*

MADAME SOPHIE CORNU, *Professor of French.*

MISS GREEN, *Professor of Drawing.*

MR. R. J. FOWLER, *Instructor in Music.*

LILIAN B. ROBINS, B.A., *Assistant to the Principal, and Instructor in Classics.*

MR. W. H. SMITH, *Instructor in Tonic Sol-Fa.*

MR. JNO. STEPHEN, *Instructor in Elocution.*

T. D. REED, M.D., C.M., *Lecturer on Physiology and Hygiene.*

NEVIL N. EVANS, M.A. SC., *Lecturer on Chemistry.*

BANNELL SAWYER, B.C.L., *Instructor in Penmanship and Book-keeping.*

## MODEL SCHOOLS OF THE MCGILL NORMAL SCHOOL.

ORRIN REXFORD, B.Sc., *Head Master of Boys' School.*

MISS MARY J. PEEBLES, *Head Mistress of Girls' School.*

MISS LUCY H. DERICK, *Head Mistress of Primary School.*

## ANNOUNCEMENT FOR THE SESSION 1895-96.

This Institution is intended to give a thorough training to teachers, by instruction and training in the Normal School itself, and by practice in the Model Schools; and the arrangements are of such a character as to afford the greatest possible facilities to Students from all parts of the Province.

The fortieth session of this School will commence on the second of September, 1895, and close on the thirty-first of May, 1896. The complete course of study extends over four years, and the Students are graded as follows:—

- 1.—*Elementary School Class.*—Studying for the Elementary School Diploma.
- 2.—*Model School Class.*—Studying for the Model School Diploma.
- 3.—*Academy Class.*—Studying for the Academy Diploma.

All the following regulations and privileges apply to male and female students alike.

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## I. TERMS OF ADMISSION.

(*Extracted from the Regulations of the Protestant Committee of the Council of Public Instruction.*)

Any British subject who produces a certificate of good moral character from the minister of the congregation to which he belongs, and evidence to show that he has completed the sixteenth year of his age, may be admitted to examination for entrance in o the Elementary School Class, or, if he has completed his seventeenth year, to the entrance examinations of the Model School Class. (*See Note a.*)

Previous to admission to the Elementary School Class, every pupil-teacher shall undergo an examination as to his sufficient knowledge of reading, writing, the rudiments of grammar in his own language, geography and arithmetic; before admission to the Model School Class he must give proof of his knowledge of the subjects of the previous year. Except as stated below, the examination shall take place before the Principal, or before such other person as he may specially appoint for the purpose. (*See Note b.*)

All candidates who present certificates of having passed in Grade III. Model School Course, and all holders of Elementary School diplomas, shall be exempt from examination for admission to the Elementary School Class. All candidates who show that they have passed at the A.A. examination, taking two-thirds of the aggregate marks, and have passed in French, and all holders of Model School diplomas, shall be exempt from examination for admission to the Model School Class. Holders of Elementary School diplomas, desiring admission to the Model School Class, shall be examined in Algebra, Geometry and French only.

Candidates shall be admitted to examination for entrance only at the times regularly appointed by the Principal of the school at the beginning of the session. Candidates exempt from examination can only be admitted during the first week of the session, except that teachers who may be actually engaged in teaching at the commencement of the session may, at the discretion of the Principal, be admitted to the Elementary School Class not later than the close of the Christmas vacation. No teacher-in-training admitted later than the first of October shall share in that part of the bursary fund which is distributed at Christmas.

In exceptional cases the Principal of the Normal School may admit to the classes on trial persons whose qualifications may be insufficient for entrance. Such persons may be excluded from the School by the Principal whenever he may judge it best so to do; but none shall be permitted to enter or to remain on trial after the semi-sessional examinations.

No candidate is admitted to the Normal School until the provisions of the school laws respecting admission have been fulfilled (*See Note c.*)

## II. PRIVILEGES OF TEACHERS-IN-TRAINING.

All teachers-in-training are entitled to free tuition.

At the close of the semi-sessional examinations, the sum of \$400 from the bursary fund will be divided among the forty most successful pupils who do not reside at home with parents or guardians during their attendance at the school. Similarly the sum of \$800 will be divided at the close of the sessional examinations. The remainder of the bursary fund will be divided as an allowance for travelling expenses among teachers-in-training residing in the Province of Quebec at a distance of more than ninety miles from Montreal, in a proportion determined by the excess of distance above ninety miles, it being provided that no allowance for travelling expenses shall exceed ten dollars.

All teachers-in-training who pass the semi-sessional examinations in the Normal School with 60 per cent. of the total marks, and who have not fallen below 50 per cent. in any one of the groups of subjects, English, Mathematics, French and Miscellaneous, nor in any one of the subjects required by the Syllabus of Examination prescribed for diplomas of the grade to which they aspire, shall be entitled to continue in their classes after Christmas. Except by the special permission of the Principal, none other shall be entitled to this privilege nor to a share in the Christmas bursary.

All teachers-in-training, who attain the standards defined above at the final examinations of the Normal School, shall be entitled to diplomas of the grade of the class to which they belong, and except with the concurrence of the Principal of the school and the professor of each subject in which there has been failure, none others shall receive diplomas or share in the bursary fund.

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All holders of Elementary School diplomas obtained by reaching the standards defined above shall be entitled to admission to the Model School Class, none others without the special permission of the Principal. Such holders of Elementary School diplomas as have taken not less than 75 per cent. of the total marks, nor less than 60 per cent. of those in any subject essential to the diploma, according to the Syllabus of Examination of the Protestant Committee of the Council of Public Instruction, shall be entitled to admission among the "selected students" mentioned in the following paragraph, but others may be so admitted by the Principal. (*See Note d.*)

### III. STUDENTS FOR THE ACADEMY DIPLOMA.

The Academy Class in the Normal School having been abolished for some years, Academy Diplomas *in course* are no longer given by the McGill Normal School, but, under the regulations cited below, Academy Diplomas are granted to holders of Model School Diplomas from the Normal School, who become undergraduates of the Universities.

1. The Normal School shall bring up selected students at the end of the Model School year to the examinations for the entrance into the first year of the Faculty of Arts in the Universities. They may be examined either at the examinations for the Associate in Arts in June or at those for the matriculation in the autumn, and shall take the full course of study in the first and second years.

2. Such students shall be enrolled in the Normal School as students of the Academy Class, and shall be under the usual pledge to teach for three years. They shall engage in the practice of teaching at such times and in such schools as may be arranged by the Principal from time to time, in consistence with their college work, and shall be under the Principal and the regulations of the Normal School.

3. On report of the colleges which such students may be attending, that they have passed creditably in the Christmas and sessional examinations respectively, they shall be entitled to bursaries, not exceeding thirty dollars per session, in aid of fees and board. Such bursaries may be paid by the Normal School Committee out of any fund available for the purpose.

4. On passing the intermediate, or equivalent, examination of the

Universities, such students will be entitled to receive Academy Diplomas, in accordance with the regulations of the Protestant Committee of the Council of Public Instruction for such diplomas.

5. Such students may, with the advice of the Principal, attend classes at McGill or its affiliated colleges, or at Biohop's College, and the Normal School Committee shall make such arrangements as may be possible for free tuition at such colleges.

6. It shall be competent to the Principal of the Normal School to provide any tutorial assistance that may in his judgment be necessary for Academy students. Also, it shall be his duty in the case of optional studies to select for the students those required for the curriculum of the Normal School.

7. It shall be competent for students who have taken Academy Diplomas as above, to continue for two years longer at the University, or to return thereto, after teaching for a time, in order to take the degree of Bachelor of Arts; but they shall be held bound to fulfil their engagements to teach, and they shall not be entitled to bursaries. (*See Note e.*)

Holders of Model School Diplomas of the McGill Normal School who are certified by the Principal of the Normal School to have taken 75 per cent. of the total marks at their final examinations, with not less than 60 per cent. of the marks in Mathematics, French, Latin and Greek, respectively, will be admitted without further examination to the first year in Arts of the McGill University; but all such students must make good their standing in the University at the Christmas examinations.

Teachers-in-training, who do not attain the standard defined above, must, in order to enter the University, pass the usual examination for Matriculation.

Exemption from the payment of fees in McGill College for the first year will be granted to the three holders of Model School Diplomas, not being resident in Montreal, who, of all those entering the University on the conditions stated above, have gained the highest aggregate of marks at their final examinations in the Normal School, as certified by the Principal of the Normal School.

Exemption from fees in the second year will be granted to the three students entering from the Normal School, who, with creditable standing in all their examinations at the close of the first year

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#### IV. CONDITIONS OF CONTINUANCE IN THE NORMAL SCHOOL.

Teachers-in-training guilty of drunkenness, of frequenting taverns, of entering disorderly houses or gambling houses, keeping company with disorderly persons, or committing any act of immorality or insubordination, shall be expelled.

Each professor shall have the power of excluding from his lectures any Student who may be inattentive to his studies, or guilty of any minor infraction of the regulations, until the matter can be reported to the Principal. (*See Note c.*)

#### V. ATTENDANCE ON RELIGIOUS INSTRUCTION.

Teachers-in-training will be required to state with what religious denomination they are connected; and a list of the students connected with each denomination shall be furnished to one of the ministers of such denomination resident in Montreal, with the request that he will meet weekly with that portion of the teachers-in-training, or otherwise provide for their religious instruction. Every Thursday after four o'clock will be assigned for this purpose.

In addition to punctual attendance at weekly religious instruction, each student will be required to attend public worship at his own church, at least once every Sunday.

#### VI. BOARDING HOUSES.

1. The teachers-in-training shall state the place of their residence, and those who cannot reside with their parents will be permitted to live in boarding houses, but in such only as shall be specially approved of. No boarding houses having permission to board male teachers-in-training will be permitted to receive female teachers-in-training as boarders, and *vice versa*. (*See Note g.*)

2. They are on no account to be absent from their lodgings after half-past nine o'clock in the evening.

3. They will be allowed to attend such lectures and public meetings only as may be considered by the Principal conducive to their moral and mental improvement.

4. A copy of the regulations shall be sent to all keepers of lodging houses at the beginning of the session.

5. In case of lodgings being chosen by parents or guardians, a written statement of the parent or guardian shall be presented to the Principal.

6. All intended changes of lodgings shall be made known beforehand to the Principal or to one of the professors.

7. Boarding-houses shall be visited monthly by a committee of professors.

8. Special visitations shall be made in case of sickness being reported, either by professors or by ladies connected with the school; and, if necessary, medical attendance shall be procured.

9. Students and lodging house keepers are required to report, as soon as possible, all cases of serious illness and all infractions of rules touching boarding houses.

#### VII. ACADEMY DIPLOMAS TO GRADUATES.

*Granted under the Regulations of the Protestant Committee of the Council of Public Instruction.*

Graduates in Arts from any British or Canadian University, who have passed in Latin, Greek and French in the Degree Examinations, or who have taken at least second class standing in these subjects at their intermediate Examinations, shall be entitled to receive first class Academy diplomas, provided that they have also taken a regular course in the Art of Teaching at the McGill Normal School, or other public training institution outside the Province approved by the Protestant Committee.

Graduates who have not passed in French, as prescribed above, may, on application, be examined in that subject before the Principal of the McGill Normal School, and, if satisfactory, such examination shall be accepted in lieu of the prescribed standing in French in the University examinations.

To meet the requirements of Graduates and Undergraduates in Arts, who, not having previously taken a Normal School course, desire to receive Academy diplomas of the first class under regulation 54, provision has been made for the delivery of a course of forty lectures on Pedagogy in the Normal School and

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for practice in teaching in the McGill Model School for forty half days, open to Graduates in Arts of any British or Canadian University, to undergraduates of the third year, and with the permission of the Faculty and the concurrence of the Principal of the Normal School, to those of the fourth year.

Undergraduates will be permitted to teach the forty half days referred to above, at times extending over the sessions of the Model School, corresponding to the third and fourth years of their college course. Graduates will be permitted to teach in the Model Schools at such times as may be agreed on with the Principal.

All persons taking this course of study in the Normal School shall be held to be subject to the regulations of the said school, and to be under the supervision of its Principal while in attendance thereat.

Graduates who have taken the above course of study in Pedagogy, and the first class Academy diploma, may be entered, if so desired by them, in the published lists of the University as holders of such diplomas.

Undergraduates who hold Model School diplomas in course from the McGill Normal School, who take at least second class standing in Latin and Greek in the Intermediate Examination of the Universities, shall be entitled to receive first class Academy diplomas.

Teachers who hold (a) Academy diplomas granted before the 1st July, 1886, or (b) second class Academy diplomas granted under these regulations, and who produce satisfactory proof to the Protestant Committee that they have taught successfully for at least ten years, shall, when recommended by the Committee, be entitled to receive first class Academy diplomas.

Any candidate who presents to the Principal of the McGill Normal School, (a) the requisite certificates of age and of good moral character, according to Form No. 1, below, and (b) satisfactory certificates that he has complied with either of the foregoing regulations, shall be recommended by him to the Superintendent of Public Instruction for an Academy diploma of the class to which he is entitled under these regulations.

FORM OF CERTIFICATE OF CHARACTER TO BE SUBMITTED BY CANDIDATES FOR ACADEMY DIPLOMAS.

"This is to certify that I, the undersigned, have personally known and had opportunity of observing..... for the .....last past ; that during all such time his life and conduct have been without reproach ; and I affirm that I believe him to be an upright, conscientious, and strictly sober man."

This certificate must be signed by the Minister of the Congregation to which the Candidate belongs, and by two School Commissioners, Trustees or Visitors.

VIII. NOTES ON THE PRECEDING REGULATIONS.

Chiefly extracted from the By-Laws of the McGill Normal School.

(a) On application to the Principal of the School, candidates for admission will be furnished with forms of application, containing the required forms of certificate, of good character and of agreement to teach for three years in some Public School in the Province of Quebec.

(b) Teachers-in-training admitted to the Elementary School class at the beginning of a session must be able to parse correctly a simple English sentence ; to write a neat dictation from any school reader, with no more than five per cent. of mistakes in spelling, in the use of capitals, and in the division of words into syllables ; to give the names and state the positions of the continents, of the oceans, of the greater islands, peninsulas, capes, mountains, gulfs, bays, straits, lakes, rivers, and the chief political divisions and most important cities of the world ; and to work correctly examples in the simple rules of arithmetic and in fractions.

(c) Teachers-in-training are expected to give their whole time and attention to the work of the school, and are not permitted to engage in any other course of study or business during the session of the school.

There shall be no intercourse between male and female teachers-in-training while in school or when going to or returning from it. Teachers of one sex are strictly prohibited from visiting those of the other.

Teachers-in-training who leave the Normal School in the middle of a session are expected to assign to the Principal satisfactory reason, accompanied, in case of failure of health, by medical certificates.

(d) The J. C. Wilson prize of forty dollars and a book, annually chosen by the donor, shall be given to that teacher-in-training of the Elementary School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

The Prince of Wales' medal and prize shall be given to that teacher-in training of the Model School class who passes for a diploma, and takes the highest aggregate of marks at the final examination of the year.

(e) In order to be recognized as teachers-in-training for the Academy diploma, Students who have fulfilled the conditions stated in the regulations of the Protestant Committee of the Council of Public Instruction must apply at the beginning

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of each collegiate year to the Principal of the Normal School for enrolment, and for certificates of enrolment to be presented to the Dean of the Faculty of Arts. Having entered college, they must report to the Principal of the Normal School from time to time, as he may require, and must furnish him with certificates of having successfully passed their several examinations, without which certificates, signed by the Dean of the Faculty or his representative, no bursaries shall be paid. It is held that no student who has passed lower than second class in two of the four subjects, Mathematics, Latin, Greek and French, or who has failed in any one of these subjects, has passed "creditably" at any college examination. But in order to be entitled to a first class Academy diploma, or to receive a bursary at the end of the second year, it is necessary to pass at least second class in Latin and Greek at the Intermediate Examinations.

(f) The date of the examination of graduates in Arts for Academy diplomas shall be the 20th day of May, or the school day next succeeding that date; the hours shall be from 10 a.m. to 12 noon.

(g) No boarding house is attached to the institution, but every care will be taken to ensure the comfort and good conduct of the Students in private boarding houses approved by the Principal, who will furnish lists to applicants for admission. Board can be obtained at from \$12 to \$16 per month,

#### IX. COURSE OF STUDY.

N. B.—The subjoined Course of Study has been designed, and all instruction in it is given with express reference to the work of teaching.

##### I. ELEMENTARY SCHOOL CLASS, STUDYING FOR THE ELEMENTARY SCHOOL DIPLOMA.

With the view of accommodating teachers actually in charge of schools at the commencement of the Session, and whose previous education may enable them to enter at a more advanced period, the course of study in this class is divided into terms as follows:

FIRST TERM, from September 1st to December 31d.

(Entrance Examination as stated above.)

*English*.—The structure of sentences. Orthography and orthoepy. Penmanship. The study of Milton's *L'Allegro*, and the sermon on the Mount, Matt. V, VI and VII.

*Geography*.—General view of continents and oceans. North and South America. *Eléments de Géographie moderne*.

*History*.—Outline of general history. *Histoire du Canada en Français*.

*Arithmetic*.—Simple and compound rules.

*Algebra*.—The elementary rules.

*Geometry*.—Elementary notions, with Mensuration.

*French.*—Darey's Principes de Grammaire Française to page 50, with verbs of first conjugation. Méthode naturelle.

*Botany.*—High School Botany, Spotton.

*Chemistry.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Elements, simple outlines and map drawing.

*Music.*—Vocal music with part songs. Junior Certificate of Tonic Sol-Fa College.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

#### SECOND TERM, January 6th to end of Session.

(No pupils will be received after the commencement of this term. Those who enter must pass the examination of the class in the work detailed above.)

*English.*—Structure of words and sentences. Etymology, derivation and syntax. Study of Macaulay's Essay on Milton and of Goldsmith's Deserted Village.

*Geography.*—Contour, elevations, river systems, political divisions and chief cities of the old world.

*History.*—Sacred. Histoire du Canada continuée.

*Arithmetic.*—Fractions, Decimals, Proportion, Interest, Properties of Numbers.

*Book-keeping.*—Single Entry.

*Algebra.*—Simple equations of one unknown quantity, with problems.

*Geometry.*—First book of Euclid, with deductions.

*Art of Teaching.*—Lectures continued.

*French.*—Principes de Grammaire Française, page 100, with verbs regular and irregular. Méthode naturelle.

*Botany.*—High School Botany, Spotton.

*Physiology and Hygiene.*—Lectures.

*Reading and Elocution.*

*Drawing.*—Freehand drawing from the solid, and elements of perspective.

*Music.*—Elements of vocal music and part songs. Elementary Certificate of Tonic Sol-Fa College.

*Practice in Teaching* in the McGill Model Schools, as directed by the Principal.

*Religious Instruction* will be given throughout the Session.

In addition to the text-books named above, each Student of the Elementary School Class must be provided with an Atlas of recent date, an Arithmetic, an Algebra and a Euclid.

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## 2. MODEL SCHOOL CLASS, STUDYING FOR THE MODEL SCHOOL DIPLOMA.

*Students entering the School in this second year must have passed a satisfactory examination in the subjects of the Elementary School Class. The Class will pursue its studies throughout the Session, without division into terms.*

*English.*—Principles of grammar and composition. Style. History of the English Language. Study of Shakespeare's *Tempest*, Scott's *Lady of the Lake*, Tennyson's *Lotus Eaters*.

*Geography.*—Mathematical and physical. Use of the globes.

*History.*—Greece, England.

*Art of Teaching.*—Lectures on school organization and discipline, and on methods of teaching particular subjects.

*Arithmetic.*—Commercial arithmetic. Logarithms.

*Book-keeping.*—Double entry.

*Algebra.*—Equations of more than one unknown quantity, and quadratics.

*Geometry.*—Second, third and fourth books of Euclid, with application to mensuration.

*Object Lessons.*

*Latin.*—Grammar; Cæsar, Gallic War, Book I.

*French.*—Translation from French into English, and from English into French. Darey's *Principes de Grammaire*. *Eléments de Littérature française*, Lectures françaises, *Méthode Berlitz*, *Histoire de France*.

*Agricultural Science.*—Principles, especially chemical and botanical, and application to Canadian agriculture.

*Elocution.*

*Drawing.*—Elements of perspective, drawing from the cast and map drawing.

*Music.*—Instrumental music, part songs and rudiments of harmony. Intermediate Certificate of Tonic Sol-Fa College.

*Practice in Teaching.*—In the McGill Model Schools, as directed by the Principal.

*Religious Instruction* throughout the Session.

Such Students as, from their conspicuous ability and preparation, may be selected to enter the Academy Class of the Normal School, will, in addition to the work given above, read Xenophon, *Anabasis*, Book I., and Virgil, *Æneid*, Book I., with special attention to Greek and Latin Grammar.

Other Students of exceptional ability may, with the consent of the Principal and the Professors of the several subjects, choose one of the following courses of extra study :—

- (a) Mathematics : trigonometry.
- (b) Old English.
- (c) French : classiques françaises, composition et grammaire.
- (d) Drawing : water-color.
- (e) Music : violin.

In addition to the text-books named above, each Student of the Model School Class must be provided with an Arithmetic, an Algebra, a Euclid, and Dawson's Scientific Agriculture. •

### 3. ACADEMY CLASS, STUDYING FOR THE ACADEMY DIPLOMA.

Will follow two years the course of McGill University and its affiliated colleges, or that of Bishop's College, Lennoxville, being enrolled on the books of the Normal School, and receiving a bursary from the Normal School, not exceeding \$30 per annum, and such tutorial assistance as may be deemed necessary. Such Students must take in their courses such options only as are approved by the Principal of the Normal School.

The course for the current year in the McGill College, for first year Students, is :—

*Greek*.—Homer, Odyssey Book XI. Xenophon, Hellenics, Book I. Studies in History and Literature.

*Latin*.—Cicero, De Amicitia. Sallust, Catiline. Virgil, Æneid, Bk.—Translation at sight. Studies in History and Literature. Latin Prose Composition.

*Mathematics*.—Arithmetic. Euclid, six books. Algebra to end of Quadratic Equations. Plane Trigonometry, in part.

*English Literature*.—Two lectures a week. The course will present an outline of English Literature from the Anglo Saxon period to the present day.

The course for second year Students is :—

*Greek*.—Plato, Apology. Æschylus, Prometheus Vincit. History of Greece.

*Latin*.—Horace, Epistles, Bk. I., 1 to 7. Livy, Bk. XXI. Translation at sight, and Latin Prose Composition.

*Mathematics*.—Arithmetic, Euclid, Algebra and Trigonometry as before. Logarithms. Plane Trigonometry, including solution of triangles and applications.

*Mathematical Physics*.—Mechanics, one lecture a week.

*European History*.—The Political History of Europe from 1789 to the present day.

*Psychology and Logic*.—First Term Elementary Psychology (*Text-Book* : Murray's Handbook of Psychology, Book I.). Second Term, Logic (*Text Book* : Jevon's Elementary Lessons in Logic).

*French*.—Ponsard, l'Honneur et l'Argent. Racine, Esther. Contanseau, Précis de Littérature Française depuis son origine jusqu'à la fin du XVIIIe siècle. Translation into French :—Dr. Johnson, Rasselas, Dictation, Parsing, Colloquial exercises.

The course in Bishop's College for the current year may be learned on application to the Rev. Principal Adams, D.C.L., Lennoxville.

### SYLLABUS OF LECTURES ON PEDAGOGY.

(Open to Graduates and Undergraduates.)

#### THE LEGAL POSITION OF THE TEACHER.

1. The organization of Public Instruction in Quebec. 2. The relation of the teacher to the Department of Public Instruction and to the Protestant Committee

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of the Council of Public Instruction. 3. The relation of the teacher to school commissioners and parents. 4. The relation of the teacher to pupils. 5. The teacher as a member of a profession.

## DISCIPLINE.

6. Discipline as a means of immediate pleasure to pupils. 7. Discipline as tending to school success. 8. Discipline as a preparation for life. 9. Discipline developing character. 10. Discipline enforced by authority.

## INSTRUCTION IN SPECIAL SUBJECTS.

11. English reading, writing, grammar. 12. Literature, composition. 13. French. 14. The classics. 15. Number; arithmetic and algebra. 16. Form; geometry. Number and form; trigonometry and mensuration. 17. Geography and history. 18. Botany and chemistry. 19. Drawing and music. 20. The acquisition of general knowledge.

## PHYSICAL DEVELOPMENT.

21. Health. 22. Growth. 23. The training of the eye. 24. The training of the ear. 25. The training of the hand.

## MENTAL DEVELOPMENT.

26. The training of the analytic faculty. 27. Observation and experiment. 28. The training of the synthetic faculty. 29. Understanding. 30. Judgment and reason. 31. Invention. 32. Imagination. 33. Memory of sensations. 34. Memory of conceptions. 35. Verbal memory.

## MORAL DEVELOPMENT.

36. Training in truthfulness. 37. In justice and purity. 38. In philanthropy and patriotism. 39. In earnestness. 40. In good manners.

## MODEL SCHOOLS OF THE MCGILL NORMAL SCHOOL.

Boys' School.—Orrin Rexford, B.Sc., *Head Master*.

Elizabeth Reid, }  
Emma M. Williams, } *Assistants.*

Girls' School.—Mary I. Peebles, *Head Mistress*.

Selina F. Sloan, }  
Ethel Stuart, } *Assistants.*  
Gertrude Blackett, }

Primary School.—Lucy H. Derick, *Head Mistress*.

Annie L. Woodington, }  
Clara L. Douglas, } *Assistants.*

Louise Derick, *Kindergarten*.

These Schools can accommodate about 400 pupils, are supplied with the best furniture and apparatus, and conducted on the most modern methods of teaching. They receive pupils from the age of four and upwards, and give a thorough English education. Fees: Boys' and Girls' Model Schools \$1.00 to \$1.50 per month; Primary School and Kindergarten, 75c; payable monthly in advance.

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# University School Examinations

1896.

## FOR CERTIFICATES OF THE UNIVERSITIES AND THE TITLE OF ASSOCIATE IN ARTS.

HELD UNDER THE SUPERINTENDENCE OF MCGILL UNIVERSITY, MONTREAL,  
AND THE UNIVERSITY OF BISHOP'S COLLEGE, LENNOXVILLE; AND RECOGNIZED BY THE PROTESTANT COMMITTEE OF THE COUNCIL OF PUBLIC INSTRUCTION.

These Examinations are held in Montreal and at Lennoxville; and local centres may be appointed elsewhere on application to the Principal of either University, accompanied with the names of satisfactory Deputy Examiners, and guarantee for the payment of necessary expenses.

The Examinations are open to Boys or Girls from any Canadian school.

### PART I.—ORDINARY A. A.

#### SUBJECTS OF EXAMINATION.

##### I. PRELIMINARY SUBJECTS.

*Writing.*

*English Dictation.*

*English Grammar, including Easy Analysis.*

*Arithmetic* (all the ordinary rules, including Square Root and a knowledge of the Metric System).

*Geography* (acquaintance with the maps of each of the four continents, and of British North America).

*British History and Canadian History.*

*New Testament History\** (Gospels and Acts, as in Maclear).

\*Candidates will be exempted from examination in this subject only if their parents or guardians make written objection thereto. In such case an alternative subject may be required in 1896 and thereafter, particulars of which may be had on application to the Secretary.

II. OPTIONAL SUBJECTS.

Section 1.—Languages.

*Latin* :—

Caesar.—Bell. Gall., Bks. I. and II.  
 Virgil—Aeneid, Bk. I.  
 Latin Grammar and Prose Composition (Collar's Practical Latin Composition, Part III, Book I., or an equivalent). } 200 marks

*Greek* :—

Xenophon.—Anabasis, Bk. I.  
 Homer.—Iliad, Bk. IV.  
 Greek Grammar. } 200 do

*French* :—

Grammar and Dictation.  
 Translation at sight.  
 Easy translation, English into French. } 100 do

*German* :—

Grammar.  
 Joynes' German Reader, pages 1-80, Sections I. and II.  
 Translation from German into English. } 100 do

Section 2.—Mathematics.

*Geometry* :—

Euclid, I., II., III., with easy<sup>1</sup> Deductions . . . . . 100 do

*Algebra* :—

Elementary Rules, Involution, Evolution, Fractions,  
 Indices, Surds, Simple and Quadratic Equations of one  
 or more unknown quantities. } 100 do

*Plane Trigonometry* :—

(As in Hamblin-Smith, pp. 1-100, omitting Ch. XI). 100 do

Section 3.—English.

*The English Language* :—

Meiklejohn's English Language, Parts I., II., III.  
 Trench's Study of Words. } 100 do

*English Literature*

Meiklejohn  
 Shakspere  
 Scott's

*History*.—(a)

*Geography*.—

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*Zoology* (as in

*Botany*\* (as in

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*Chemistry* (as

*Physiology* and

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129 of R<sup>3</sup>.

*Freehand*

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† These Blanks

‡ When two or  
 to pass in each.  
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 must be obtained.



*English Literature* :—

Meiklejohn's English Language, Pt. IV.	}	100	do
Shakspeare, Julius Caesar.			
Scott's Lady of the Lake.			
<i>History</i> .—(as in Primers of Greece and Rome, and Collier's Great Events) .....	}	100	do
<i>Geography</i> .—Physical, Political and Commercial .....			

**Section 4.—Natural and Physical Sciences, etc.**

<i>Zoology</i> (as in Nicholson's Introductory Text-Book).....	100	do
<i>Botany</i> * (as in Spotton's High School Botany, with Penhallow's Guide to the Collection of Plants, and Blanks for Plant Descriptions †) .....	100	do
<i>Chemistry</i> (as in Remsen's Elements of Chemistry, pp. 1 to 160)	100	do
<i>Physiology and Hygiene</i> (as in Cutter's Intermediate).....	100	do
<i>Physics</i> (as in Gage and Fessenden's High School Physics, Chapters I., II., III.).....	100	do
<i>Geometrical and Freehand Drawing</i> .....	100	do
<i>Geometrical</i> .—Vere Foster R <sup>1</sup> and R <sup>2</sup> , also problems 119 129 of R <sup>3</sup> .		

*Freehand*.—Rules of Perspective, Drawing from the object (as in the Dominion Freehand Drawing books, numbers 1 to 5, inclusive).

## REGULATIONS.

1. To obtain the Certificate of Associate in Arts, Candidates must pass in all the Preliminary subjects, and also in any six of the Optional subjects, provided that the six include one subject at least from each of the four Sections.
2. In addition to the six Optional subjects selected for passing, Candidates may take other Optional subjects, but the total possible number of marks obtainable in all the Optional subjects chosen must not exceed 1000.
3. Candidates will not be considered as having passed in any subject, unless they have obtained at least 40 per cent. of the total number of marks obtainable in that subject.‡

\* In connection with the Botany examination, marks will be given for collections of mounted specimens made in accordance with Penhallow's Guide to the Collection of Plants. The Head Teacher of each school will forward with the answers a specimen from each pupil's collection, and also (on a furnished form) a detailed statement as to the collections made. Not more than 50 specimens will be expected to constitute a collection, and marks may be allowed *pro rata* for fewer.

† These Blanks may be obtained from booksellers in Montreal or elsewhere.

‡ When two or more books or subjects are prescribed for one examination it is necessary to pass in each. Candidates will not be allowed to pass in the Preliminary Grammar, unless they show a satisfactory knowledge of Syntax (Parsing, Analysis, and questions connected therewith). In Classics, at least one-third of the marks allotted to grammar must be obtained.

4. The total number of marks gained by every Candidate in the Optional subjects shall be added up, and the Candidates arranged in order of merit in a printed list at the close of the Examination, those who are over 18 years of age on the first day of June being in a separate list. The marks in any subject shall not be counted if the Candidate has obtained less than 40 per cent. in that subject.

5. Candidates who obtain at least 75 per cent. of the marks in any Optional subject shall be considered as having answered creditably in that subject, and special mention of the same will be made in the Associate in Arts Certificate.

6. Candidates who pass in the subjects of the University Matriculation Examinations may, without further examination, enter the Faculties of Arts and Applied Science. (See Note 2 *infra*.)

7. Candidates who fail, or who may be prevented by illness from completing their examination, may come up at the next examination without extra fee.

8. Candidates who pass in all the Preliminary subjects may, at any subsequent examination, take the Optional subjects only, and without extra fee.

9. The Head Master or Mistress of each school must certify to the character and ages of the pupils sent up for examination.

10. The examinations will begin on Monday, June 1st, at 9 a.m.

11. Lists of the names, ages, and Optional subjects to be taken by the Candidates, together with a fee of \$4 for each Candidate, must be transmitted to the Secretary, McGill University, Montreal, on or before May 1st. (Blank forms and copies of the regulations will be furnished on application.)

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NOTE 1.—No fees will be exacted for the examination of pupils of Academies under the control of the Protestant Committee; but in order to obtain the certificate from the Universities, the prescribed fee, viz., \$4, must be paid to the Secretary of the University Examiners.

Candidates who pass Grade II of the Academy Course of Study will be exempted from the Preliminary Subjects of the A.A. Examination.

The answers must be written in the answer book, specially made for the purpose, under the direction of the Board of Examiners.

The complete regulations of the Protestant Committee of the Council of Public Instruction with reference to these examinations may be obtained on application to the English Secretary, Department of Public Instruction, Quebec.

NOTE 2.—MATRICULATION SUBJECTS REFERRED TO IN REG. 6.

*In Arts*.—Greek, Latin, Geometry, Algebra, Arithmetic, English Dictation, English Grammar, British History. (Women may substitute French for Greek.)

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*Latin* :—

Virgil.—  
Cicero.—  
Grammar,  
III. and

*Greek* :—

Xenophon  
Homer.—I  
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tion, Ex

*French* :—

Lamartine,  
Molière, La  
Translation  
French.  
Grammar a

*German* :—

Lessing, En  
Schiller, De  
Grammar ar

*In Applied Science.*—Geometry (Euclid, Bks. I. to IV., VI., and definitions of Bk. V.), Algebra, Trigonometry, arithmetic, English Dictation, English Grammar, British History.

After entrance in Arts or Applied Science, French or German must be studied. In the former subject an entrance examination is required, but may be passed either in June or in September; Candidates who are unable to pass must study German after entrance. Women who omit Greek must pass the entrance examination in French and German, and afterwards study both French and German.

[Matriculation Examinations are also held at the opening of the University Session in September. See Calendars of the Universities.]

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## PART II.—ADVANCED A.A.

### SUBJECTS OF EXAMINATION.

#### I. PRELIMINARY SUBJECTS.

As under Part I.

#### II. OPTIONAL SUBJECTS.

##### Section 1.—Languages.

##### *Latin* :—

Virgil.—Aeneid, I.

Cicero.—In Catilinam, I. and II.

Grammar, Prose Composition (Collar's Practical Latin Composition, Parts III. and IV.), and Translation at sight from Caesar and Nepos.

##### *Greek* :—

Xenophon.—Anabasis, I. and II.

Homer.—Iliad, IV., and Odyssey, VII.

Grammar and Prose Composition (Abbott's Arnold's Greek Prose Composition, Exercises 1 to 25).

##### *French* :—

Lamartine, Jeanne d'Arc.

Molière, Le Bourgeois Gentilhomme.

Translation at sight from French into English, and from English into French.

Grammar and Dictation.

##### *German* :—

Lessing, Emilia Galotti.

Schiller, Der Kampf mit dem Drachen.

Grammar and translation from English into German.

**Section 2.—Mathematics.***Geometry* :—

Euclid, Bks. I. to IV., Defins. of Bk. V., Bk. VI.

*Algebra* :—

To the end of Progressions.

*Trigonometry* :—

As in Hamblin Smith (the whole).

**Section 3.—English.***The English Language* :—

Lounsbury's History of the English Language.

Mason's English Grammar.

A Composition.

*English Literature* :—

Meiklejohn's English Language, Pt. IV.

The Elizabethan Period (Morley's First Sketch).

Milton's Paradise Lost, Bks. I and II.

*History* :—

Grecian History.—The Persian and Peloponnesian Wars

Roman History.—From the Wars of Marius and Sulla to the death of Tiberius.

English History.—The Reformation and Puritan England, as in Green's Short History.

**Section 4.—Natural and Physical Sciences, etc.***Botany* :—Gray's Text-Book.

General Morphology and Classification, Determination of Canadian Species exclusive of Thallophytes. Distribution of Orders represented in Canada,

Credit will be given for collections of plants as under Part I.

*Chemistry* :—Inorganic, as in Remsen's Elements.

Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Physics* :—As in Gage and Fessenden's High School Physics.

Also, an examination in Practical Work (to be held only in Montreal and at Lennoxville).

*Drawing* :—Orthographic Projection, including Simple Penetrations, Developments and Sections, as in Davidson's Orthographic Projection.

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## REGULATIONS.

The Regulations of Part I., with the following modifications and additions, will apply to the advanced subjects :—

1. Candidates who pass in six of the advanced subjects (including one at least from each of the four Sections) will receive an Advanced A. A. certificate. The number of marks given to each subject will be the same as in Part I., and additional advanced subjects may be taken as in Reg. 2, Part I.

2. Candidates who fail in one or more of the subjects required for the advanced A. A. may, on the recommendation of the Examiners, be given an ordinary A. A. certificate.

3. The examinations in the advanced subjects will be held at the same time and in the same manner as those in the ordinary subjects. They will be open to all who have already passed in the preliminary subjects, whether they have taken the ordinary A. A. or not. The preliminary subjects must be taken either one or two years before the advanced subjects.

4. Candidates who pass the advanced examinations in Greek, Latin, Geometry, Algebra, and English Language\* shall be considered as having passed the Higher Matriculation Examination of the First Year in Arts, McGill University.

5. Candidates must, before May 1st, give notice of intention to present themselves for the examination, specifying the optional objects in which they wish to be examined.

6. The ordinary fee of \$4.00 must be paid before taking the preliminary subjects, and an additional fee of \$10 at the time of making application for the advanced examinations.† A Candidate who fails to pass the Advanced A. A. Examination shall be required to pay a fee of \$5 for every subsequent Advanced A. A. Examination at which he may present himself.

\* French as in Part I., Note 2.

† Candidates from Academies under the control of the Protestant Committee of the Council of Public Instruction are exempt from the former fee, but not from the latter.

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- 23. Annie
- 34. Ernes
- 42. May J
- 27. Charl
- 22. Arthu
- 180. Willia
- 52. Ida P
- 56. Jessie
- 182. Edwa
- 25. Guy J
- 28. Charle
- 179. Leopo
- 160. Bernic
- 71. Harry
- 163. Ernest
- 181. Colin
- 199. Roger
- 120. Frederi
- 142. Fred. S
- 186. Taylor
- 196. Norma
- 70. Minnie
- 71. Floren
- 173. Durwa
- 24. Delanc
- 161. Carl G

LIST  
OF  
SUCCESSFUL CANDIDATES

RESULT OF EXAMINATIONS, 1895.

ASSOCIATES IN ARTS.

*I. Under 18 years of age.*

No.	MARKS.
20. Archibald Theodore Edward (Montreal Coll. Institute),	902
193. Frank S. Patch (High School, Montreal),	802
14. Katie Selina Edgar (Miss Symmers' and Miss Smith's School, Montreal),	780
159. Alfred Ames (Sutton Academy),	778
23. Annie Holiday (Montreal Coll. Institute),	768
34. Ernest S. White (Abingdon School, Montreal),	761
42. May Evelyn Clark (Girls' High School, St. John, N.B.),	711
27. Charles S. Paterson (Montreal Coll. Institute),	702
22. Arthur G. Grier (Montreal Coll. Institute),	699
180. William H. Denman (High School, Montreal),	681
52. Ida P. Hannington (Girls' High School, St. John, N.B.),	680
56. Jessie Isabel Lawson (Girl's High School, St. John, N.B.),	674
182. Edward P. Featherstonhaugh (High School, Montreal),	673
25. Guy John W. Johnson (Montreal Coll. Institute),	670
28. Charles E. H. Phillips (Montreal Coll. Institute),	667
179. Leopold Dennis (High School Montreal),	665
160. Bernice Billings (Sutton Academy),	664
71. Harry G. Baker (Berthier Grammar School).	663
163. Ernest Jones (Sutton Academy),	649
181. Colin Duguid (High School, Montreal),	} equal,
199. Roger Sweeney (High School, Montreal),	
120. Frederick W. Seifert (Boys' High School, Quebec),	
142. Fred. S. Rugg (Stanstead Wesleyan College),	638
186. Taylor Hyde (High School, Montreal),	637
196. Norman Shaw (High School, Montreal),	636
70. Minnie B. Sulley (Bedford Academy),	} equal,
71. Florence Tucker (Westmount Academy),	
173. Durward Benn (High School, Montreal),	633
24. Delancy K. Johnson (Montreal Coll. Institute),	} equal,
161. Carl Griggs (Sutton Academy),	

No.	MARKS.
162. Jessie Hamilton (Sutton Academy),	623
195. Ernest Scriver (High School, Montreal),	622
26. Ross H. McMaster (Montreal Coll. Institute),	615
177. Ernest Clark (High School, Montreal),	613
16. Hubert Thos. Cushing (Montreal Coll. Institute),	609
75. Archibald Ralston (Berthier Grammar School),	605
183. Richard Hardisty (High School, Montreal),	600
164. Nora Powers (Sutton Academy),	597
6. Isabel M. Hurst (Girls' High School, Montreal),	} equal,
13. Edith M. Tees (Girls' High School, Montreal),	
7. Ethel M. King (Girls' High School, Montreal),	
189. John Lundie (High School, Montreal),	590
82. Harold Arthur Carter (Cowansville Academy),	589
200. George Ussher (High School, Montreal),	585
133. Cassie E. Davis (Sherbrooke Girl's Academy),	582
74. Jay Massie (Berthier Grammar School),	563
97. Eva B. Andrews (Inverness Academy),	555
84. Harry Goodhue (Danville Academy),	546
190. Henry G. Matthews (High School Montreal),	545
165. Edward Soules (Sutton Academy),	544
9. Louise McDougal (Girls' High School, Montreal),	543
194. Howard Rowell (High School, Montreal),	541
1. Elizabeth A. Brooks (Girls' High School, Montreal),	} equal,
191. George Millar (High School, Montreal),	
17. Jacob DeWitt (Montreal Coll. Institute),	538
116. Edward L. Brown (Boys' High School, Quebec),	526
5. Agnes A. Houston (Girls' High School, Montreal),	523
205. Julia E. Ames (Huntingdon Academy),	508
29. Louis L. Reford (Montreal Coll. Institute),	506
187. Frederick Kneen (High School, Montreal),	501
18. Arthur E. Doull (Montreal Coll. Institute),	500
169. Robert Smith (Westmount Academy),	} equal,
201. James Wilson (High School, Montreal),	
138. Jessie H. Clark (Stanstead Wes. College),	491
101. Fred. H. Williams (Knowlton Academy),	489
80. Georgianna R. G. Bailey (Cookshire Academy),	487
95. Ethè A. Raney (Granby Academy),	} equal,
132. Edith A. Campbell (Sherbrooke Girls' Academy),	
11. Winnifred Nowers (Girls' High School, Montreal),	486
91. Lottie Ball (Granby Academy),	483
124. Miriam J. Hull (Girls' High School, Quebec),	478
123. Emma M. Jackson (Girls' High School, Quebec),	477
358. Eva Sicotte (Private Tuition),	475
140. Helen M. Hill (Stanstead Wes. College),	473
185. James Hyde (High School, Montreal),	472
218. Harold Le Roy (St. Andrew's Model School),	} equal,

No.
19. Percy
87. Irwin
113. Hattie
141. Jeanie
134. Vivian
2. Matild
125. Emely
115. Abel I.
57. Charlo
79. Kathle
3. Maague
129. Hubert
150. Henri
131. Georgie
102. Jessie C
170. Lewis T
216. Belle B
8. Jessie F
88. Floren
213. Charles
202. Percy W
61. Emily L
192. Lorne M
135. Florence
147. Robert M
76. Katie Mc
126. Fred T.
136. Nellie G.
81. Sophie F.
130. Frederick
96. Florence
206. Walter Br
207. Guy Bruce
174. Burton L.
208. Ernest He
10. Emma A.
172. William B
83. Maud L. K
139. Charles W.
31. Minnie H.
204. Claude A.
15. Henry U. I
127. William D.
73. George L. F



MARKS.	No.	MARKS.
623	19. Percy F. Duff (Montreal Coll. Institute),	440
622	87. Irwin J. Porter (Danville Academy),	436
615	113. Hattie A. Page (Mansonville Model School),	431
613	141. Jeanie E. Howden (Stanstead Wes. College),	427
609	134. Vivian M. Fuller (Sherbrooke Girls' Academy),	421
605	2. Matilda A. Carden (Girls' High School, Montreal),	419
600	125. Emely F. Bradford (Sherbrooke Boys' Academy),	412
597	115. Abel I. White (Mansonville Model School),	411
593	57. Charlotte M. Magee (Girls' High School, St. John, N.B.),	410
590	79. Kathleen Randal (Compton Ladies' College),	406
589	3. Maaguerite Hannington (Girls' High School, Montreal),	} equal 405
585	129. Hubert A. Short (Sherbrooke Boys' Academy),	
582	150. Henrietta Wilkins (St. Francis College School),	401
563	131. Georgie M. Bradley (Sherbrooke Girls' Academy),	376
555	102. Jessie C. Allbright (Lachute Academy),	} equal, 375
546	170. Lewis Terril (Westmount Academy),	
545	216. Belle Burwash (St. Andrew's Model School),	
544	8. Jessie F. Lundie (Girls' High School, Montreal),	374
543	88. Florence B. Baker (Dunham Ladies' College),	359
541	213. Charles G. Ogden (Three Rivers' Academy),	356
538	202. Percy Wood (High School, Montreal),	351
526	61. Emily L. Purvis (Girls' High School, St. John, N.B.),	350
523	192. Lorne Morrin (High School, Montreal),	338
508	135. Florence M. Hopkins (Sherbrooke Girls' Academy),	332
506	147. Robert McMichael (St. Francis College School),	327
501	76. Katie McKenna (Coaticook Academy),	319
500	126. Fred T. Enright (Sherbrooke Boys' Academy),	318
491	136. Nellie G. Robinson (Sherbrooke Girls' Academy),	316
489	81. Sophie F. Chester (Cookshire Academy),	313
487	130. Frederick J. Southwood (Sherbrooke Boys' Academy),	296
486	96. Florence D. Sibbald (Granby Academy),	276
483	II. <i>Over 18 years of age.</i>	
478	206. Walter Brown (Huntingdon Academy),	828
477	207. Guy Bruce (Huntingdon Academy),	803
475	174. Burton L. Brown (High School, Montreal),	768
473	208. Ernest Henderson (Huntingdon Academy),	761
472	10. Emma A. Mott (Girls' High School, Montreal),	726
464	172. William Balcom (High School, Montreal),	718
460	83. Maud L. Kezar (Cowansville Academy),	707
449	139. Charles W. Ford (Stanstead Wes. Coll.),	699
442	31. Minnie H. Seaman (Sabrevois School),	675
	204. Claude A. Adams (Huntingdon Academy),	660
	15. Henry U. P. Aylmer (Montreal Coll. Inst.),	624
	127. William D. Enright (Sherbrooke Boys' Academy),	590
	73. George L. F. Fuller (Berthier Grammar School),	565

No.	MARKS.
209. Ina Rowatt (Huntingdon Academy),	545
98. Robert J. Lowery (Inverness Academy),	540
167. Charles Wm. Slack (Waterloo Academy),	539
100. Thos. R. Robinson (Inverness Academy),	529
32. Alexander S. McCormick (Abingdon School),	491
112. Maggie Mac.A. Thompson (Lachute Academy),	481
63. Lena A. Sherwood (Girls' High School, St. John, N.B.),	469
100. Daniel T. Parker (Lachute Academy),	456
4. Georgina Hostler (Girls' High School, Montreal),	438
99. Jessie McKenzie (Inverness Academy),	428
89. Annetta M. Lee (Dunham Ladies' College),	424
211. Agnes E. Watherston (Huntingdon Academy),	423
107. Nettie LeRoy (Lachute Academy),	414
94. Mary L. Miner (Granby Academy),	407
12. Mabel L. Pease (Girls' High School, Montreal),	404
166. Esther Pickle (Waterloo Academy),	367
77. Orson E. Rublee (Coaticook Academy),	364
145. Berthia Mountain (St. Francis College),	355
106. Thos. J. McVicar (Lachute Academy),	348
219. Ida B. Smith (Paspébiac Model School),	344
85. Laura J. Henderson (Danville Academy),	309
137. Isabella E. Wiggett (Sherbrooke Girls' Academy),	293

PASSED THE PRELIMINARY SUBJECTS.

(In order of numbers.)

21	30	33	35	37	38	39	40	43	47	48	49	50	53
54	55	59	60	62	64	65	117	119	121	143	149	153	175
212	221	222	224	225	226	227	228	229	230	231	232	233	237
238	241	243	244	246	247	248	249	250	251	254	258	259	260
261	264	265	266	268	270	271	272	273	277	279	283	284	287
288	289	293	300	301	302	303	305	307	308	309	310	313	314
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350	351	352	353	354	355								

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Adams, Cla  
Ainley, Lav  
Baker, Har  
Blanchet, A  
Brown, Edv  
Brown, Wa  
Bruce, Guy  
Bryson, Mi  
Burton, He  
Byers, Rich  
Cotton, Cha  
Cumming,  
Cushing, H  
DeWitt, Jac  
Duguid, Col  
Edgar, Kati  
Edward, Ar  
Ford, Charl  
Hardisty, R  
Henderson,  
Holiday, Ar  
Ireland, Ang

Ames, Alfred  
Aylmer, Hen  
Brown, L. B  
Benn, Durwa  
Beatty, Haro  
Carter, Haro  
Denman, Wn  
Drew, John,  
Enright, Wn  
Fuller, Geo.  
Goodhue, He  
Grier, Arthu  
Griggs, Carl,  
Harris, J. Al  
Jones, Ernest  
Kinlock, Cha

Arkley, Lorn  
Blaylock S.  
Campbell, N.  
Colpitts, Wal  
Cornwall, Cl  
Dargavel, Jan

## MARKS.

## MCGILL UNIVERSITY, MONTREAL.

JUNE, 1895.

The following Candidates have passed the Examinations required for  
Entrance.

*I. In Arts and Medicine.*

545	Adams, Claude A.,	Huntingdon, Q	Johnson, Delancy R.,	Montreal
540	Ainley, Lawrence T.,	Almonte, O	Johnson, Guy J. W.,	Montreal
539	Baker, Harry G.,	Berthier, Q	Lundie, John,	Montreal
529	Blanchet, Alice,	Ottawa	Mathers, Wm. R.,	St. John, N.B.
491	Brown, Edward L.,	Quebec	Miller, Wm. K.,	Pembroke, O
481	Brown, Walter,	Huntingdon, Q	Mott, Emma A.,	Montreal
469	Bruce, Guy,	Huntingdon, Q	McDonald, Alex. T.,	Williamstown, O
456	Bryson, Minnie,	Ottawa	McGill, Ida,	Ottawa
438	Burton, Henry T.,	Montreal	Paterson, Charles S.,	Montreal
428	Byers, Richmond D.,	Gananoque, O	Patch, Frank S.,	Montreal
424	Cotton, Charles M.,	Grande Ligne, Q	Phillips, Chas. E. H.,	Montreal
423	Cumming, Wm. Gordon,	Montreal	Reford, Louis L.,	Montreal
414	Cushing, Herbert T.,	Montreal	Rice, Horace G.,	Burford, O
407	DeWitt, Jacob,	Montreal	Roberts, Alexander,	Almonte, O
404	Duguid, Colin,	Montreal	Rugg, Fred. S.,	Stanstead, Q
367	Edgar, Katie Selina,	Montreal	Ryan, Ruth,	Montreal
364	Edward, Archibald T.,	Montreal	Scriver, Ernest,	Montreal
355	Ford, Charles W.,	Stanstead, Q	Seifert, Fred. W.,	Quebec
348	Hardisty, Richard,	Montreal	Shaw, Leonard B.,	St. John, N.B.
344	Henderson, Ernest,	Huntingdon, Q	Stewart, Robert M.,	Ottawa
309	Holiday, Annie,	Montreal	Sulley, Minnie B.,	Mystic, Q
293	Ireland, Angus A.,	Lansdowne, O	White, Ernest	Montreal

*II. In Medicine.*

50	Ames, Alfred,	Sutton, Q	Lowery, Robert,	Inverness, Q
53	Aylmer, Henry U. P.,	Montreal	Lesler, Curtis W.,	Montreal
153	Brown, L. Burton,	Montreal	McCormick, Alex.,	Montreal
175	Benn, Durward	Montreal	McMaster, Ross H.,	Montreal
233	Beatty, Harold Samuel	Montreal	McKenzie, Charles A.,	Montreal
237	Carter, Harold A.,	Cowansvill, Q	Massie, Jay,	Berthier, Q
259	Denman, Wm. H.,	Montreal	Millar, George,	Montreal
284	Drew, John,	St. Andrews, Q	Ralston, Archie,	Berthier, Q
287	Enright, Wm. D.,	Sherbrooke, Q	Robinson, Thos. R.,	Inverness, Q
313	Fuller, Geo. L. F.,	Berthier, Q	Shaw, Norman,	Montreal
314	Goodhue, Henry,	Danville, Q	Soules, Edward,	Sutton, Q
348	Grier, Arthur G.,	Montreal	Sweeney, Roger,	Montreal
	Griggs, Carl,	Sutton, Q	Symmes, Charles R.,	Montreal
	Harris, J. Allan,	Montreal	Ussher, George,	Montreal
	Jones, Ernest,	Sutton, Q	Williams, Fred. H.,	Knowlton, Q
	Kinlock, Chas. A.,	Williamstown, O	Wood, John,	Montreal

*II. In Applied Science.*

	Arkley, Lorne McK.	East Angus, Q	Dennis, Leopold,	Montreal
	Blaylock S. G.,	Lennoxville, Q	Duff, William A.,	Hamilton, Ont
	Campbell, N. McL.	Montreal	Duncan, Galen R.,	Montreal
	Colpitts, Walter W.	Moncton, N.B	Featherstonhaugh, E. P.,	Montreal
	Cornwall, Clement A.	Ashcroft, B.C	Fraser, Harold,	Brockville, Ont
	Dargavel, James S.,	Toronto, Ont	Fotheringham, H.,	Westmount, Q

Goad, Chas. E.,	Toronto, Ont	Nicholls, H. G.,	St. Catherines, Ont
Graham, Stanley N.,	Kingston, Ont	O'Brien, Edward F.,	Lennoxville, Q
Harkness, J. R.,	Williamstown, Ont	Ogilvie, N. C.,	Edinburgh, Scotland
Hunt, Geo. A.,	Almonte, Ont	Paris, James M.,	White Lake, Ont
Hyde, James,	Montreal	Peden, Frank,	Montreal
Hyde, Taylor,	Montreal	Pender, Wm. D.,	Toronto, Ont
Ingraham, Bruce A.,	Sydney, C.B	Philips, George R.,	Hamilton, Ont
McDougall, Daniel J.,	Samia, Ont	Shaw, John H.,	Pembroke Ont
McLaren, Archibald,	Montreal	Squire, Samuel H.,	Kingston, Ont
McLean, Wm. B.,	Pictou, N.S	Stevens, Angus P.,	Dunham, Q
Matthews, Henry G.,	Montreal	Tomkins, Edward A.,	Coaticook, Q
Moles, George H.,	Amprior, Ont	Waller, Geo. W.,	Hamilton, Ont
Moore, Ernest B.,	Peterboro, Ont	Wenger, Edgar I.,	Woodstock, Ont
Morgan, Charles B.,	Hamilton, Ont	White, Fred.,	Lennoxville, Q

### STANDING IN THE OPTIONAL SUBJECTS.

[The members correspond with those in the preceding lists. Candidates whose numbers are in parentheses are equal in standing. Those preceding a single asterisk have obtained at least three-fourths of the marks; those preceding a double asterisk, at least one-half; those following, at least forty per cent. The Schools' and Candidates' numbers are as follows: Girls' High School, Montreal, 1-13, 221-235 and 237-251; Miss Symmers' and Miss Smith's, 14; Montreal Collegiate Institute, 15 to 29 and 252-274; Sabrevois School, 30 and 31; Abingdon School, 32-34; Girls' High School, St. John, N.B., 35-66; Aylmer Academy, 67 and 68; Bedford Academy, 69 and 70 and 295-298; Berthier Grammar School, 71-75; Coaticook Academy, 76-78; Compton Ladies' College, 79; Cookshire Academy, 80 and 81; Cowansville Academy, 82 and 83; Danville Academy, 84-87; Dunham Ladies' College, 88-90; Granby Academy, 91-96; Inverness Academy, 97-100; Knowlton Academy, 101; Lachute Academy, 102-108 and 110-112; Mansonville Model School, 113-115; Boys' High School, Quebec, 116-121; Girls' High School, Quebec, 122-124 and 275-279; Sherbrooke Boys' Academy, 125-130; Sherbrooke, Girls' Academy, 131-137; Stanstead Wesleyan College, 138-142; St. Francis College School, 143-151 and 359; St. Johns' High School, P.Q., 152-158; Sutton Academy, 159-165; Waterloo Academy, 166 and 167; Cote St. Antoine Academy, 168-171; Montreal High School, 172-196; 198-203 and 299-356; Huntingdon Academy, 204-211; Three Rivers Academy, 212 and 213; Elgin School, Ottawa, 215; St. Andrew's Model School, 216-218; Paspebiac Model School, 219 and 220.

*Latin.*—(20, 208), 206, 207, 193, (14, 172), (52, 71),\* (23, 139), 56, 22, 159, 42, 79, 120, 84, 75, (34, 174), (10, 138, 204), 163, 63, 199, 142, (24, 189), 95, (26, 27, 28, 87), (9, 13), (57, 73, 83), (6, 74, 180), (80, 188), 171, (31, 160), (89, 183), 18, (1, 70, 218), (176, 181), 173, 165, 209, (15, 25, 158, 164, 166, 196),\*\* 127, (108, 179, 182, 195, 217), 12, 150, (46, 50, 90, 102, 162), 187, (131, 191, 205), (4, 97, 104), (3, 29, 36), (59, 101), (16, 161, 167), 133, (82, 116, 125, 140, 203), 98, 19, 17, (5, 51, 100), (2, 32, 61, 77, 86, 91, 94, 132, 200).

*French.*—10, 20, (14, 23, 120), 213, 193, 181, 129, (11, 56, 75, 358),\* 116, (83, 90, 220), 13, (25, 31, 84, 113), (6, 98), (1, 8, 128, 207), (24, 139, 159, 194, 195), (97, 108, 171), (5, 73, 147), (39, 125, 180, 196), (15, 27, 82), (9, 22, 71, 127, 166), (3, 42, 52, 133, 160), (158, 212), 208, (87, 99, 107, 169, 170, 179), (34, 134), (32, 50, 74, 142, 162, 174, 200), (28, 79, 81, 164, 182, 202), (70, 100, 101, 161, 187), (86, 88, 103), (111, 141, 149, 177), (4, 46, 76, 80, 95, 102, 124, 140, 186, 206, 211),\*\* (12, 130), (66, 123, 126, 131, 153, 167, 170, 203, 219, 357), (91, 136, 191, 218), (112, 201), (51, 106, 132, 165, 192), (26, 178), (110, 137, 190), (7, 135, 146, 204), (41, 85, 209), (67, 163, 173, 199, 217), (16, 63, 69, 77, 96, 114, 115, 122, 138, 145, 150, 185, 189, 205, 216).

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*Geometry.*—(20, 206), 34, (27, 52, 159), 165, 174, (207, 208), (17, 42, 161, 204), (22, 26), (80, 139, 164, 173, 181, 190, 199), (10, 71, 196), 172, (115, 163) 162, 193, (75, 83, 160, 171, 188), (19, 56, 124, 129, 142, 182),\* (23, 25), (123, 179), (6, 16, 31, 86), (1, 2, 178, 198), (27, 73, 112, 147, 200), (120, 201), (98, 127, 202), (81, 126, 169), (32, 100, 106, 116, 167, 186, 209), (59, 150, 183), (9, 18, 82, 17,

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*Physiology.*

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209), (26, 63, 7

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185, 187, 203, 2

175, 191), (89,

220), 130, (4, 1

158, 163, 164, 2

128), 125, (184

189, 218), (28, 194, 210), (97, 175, 195, 205, 211), (74, 94, 149, 180, 184), (15, 29, 110), (50, 61, 63, 133, 145, 217), (101, 114, 122, 170), (13, 85, 80, 95, 185, 213), (36, 96, 113, 168, 215), (77, 92, 99), (14, 111, 130, 187), (57, 68, 105, 138, 141, 216), 140, (51, 70, 148),\*\* (102, 131, 219), (62, 66, 93, 107, 358), (78, 176), 136, (11, 191), (76, 91, 125), (4, 12, 84, 214), (104, 166, 220), (64, 134), (67, 79, 88, 108, 132, 137, 158, 192, 203),

*Algebra.*—(19, 20, 23, 34, 113, 167, 180, 182, 193), (174, 206), 179, 127, (15, 71, 111), (32, 42, 91, 134, 172, 196, 211), (18, 28, 70, 73, 139, 204, 207), (1, 14, 95, 198), (4, 10, 195, 208), (3, 25, 153, 190), (16, 17, 102, 133, 138, 163),\* (2, 7, 24, 162, 202), (9, 27, 80, 90, 129, 141, 160, 178), (26, 107, 140, 199), (22, 69, 85, 87, 120, 173, 209, 217, 358), (115, 200, 219), (146, 147, 189), (94, 101, 124, 135, 185), (50, 74, 75, 100, 165), (29, 31, 76, 110, 136, 142, 181, 220), (56, 86, 125, 126, 132, 164), (183, 188, 194, 205), (36, 97, 123, 131), (6, 99, 137, 166, 171, 203)\*\* (66, 88, 93, 98, 130, 158, 169, 177, 291), (84, 111, 143, 150, 191), (5, 116, 175), (8, 63, 68, 82, 96, 149, 216), (11, 41, 46, 52, 61, 62, 67, 78, 89, 112, 145, 161, 201, 213, 214).

*History.*—(159, 160, 161), 164, 142, (82, 83), (31, 163), (162, 165), 14,\* 141, (138, 358), (52, 101, 134, 140), 169, (113, 170), (115, 132) 171, 26,\*\* 57, 56, 42, 63, 168, 59, (18, 107).

*Geography.*—83, 195, 174,\* 193, 101, 98, 172, 182, 7, 188, (159, 161), (97, 99, 139, 186), 23, (1, 17, 34, 185), (26, 42, 181), (92, 100, 189), (31, 199, 200), (56, 84, 178, 196), (27, 77, 168, 190, 201, 206), (22, 25, 29, 52, 82, 134), (163, 171, 180), (20, 28, 32, 90, 127, 204),\*\* 80, (86, 173, 183, 191, 213), (61, 88, 177, 194, 358), (50, 91, 129, 219), (14, 19, 24, 95, 145, 169), (16, 133, 150, 158, 175, 179, 187), (15, 59), (69, 94, 110, 112), (89, 113, 198), (9, 18, 76, 81, 126, 130, 136, 214, 216).

*Botany.*—7, 83, 14, (159, 162), 16, 42, 216, 63, (29, 170), (98, 160, 164), (28, 104, 214), (123, 161), (11, 100, 112, 211),\* 133, (56, 97, 169), (52, 177), 61, (59, 127), 177, 209, 171, 57, (163, 165, 205), (87, 88, 150), (79, 124), 5, 135, (103, 132), 82, (46, 128), 125, 139, (122, 146, 149), (62, 145), (115, 168), (84, 101),\*\* 81, 137, 85, 147.

*Chemistry.*—7, 42, 172, (34, 174), 177, 180, 186, (173, 200), 199,\* (179, 182), (3, 6, 201), (56, 190), 11, 175, (192, 196), 15, (8, 91), (36, 57),\*\* 184, (5, 46, 185, 191) (32, 198).

*Physiology and Hygiene.*—18, (83, 133), 22, 120, 206, (160, 164),\* (127, 177), (200, 358), (28, 204, 211), (23, 95), (31, 207), (136, 162, 205), (112, 208, 209), 86, (74, 116, 131, 132, 163), 77, 171, (94, 137), (17, 20, 134), (25, 129), (27, 123, 159), 175, (84, 167, 192), (26, 100, 108, 139), (75, 76, 114, 135, 165, 166), (87, 128, 169), (110, 113, 124, 125, 161, 219), (71, 126), (24, 97, 99, 168, 170), (82, 91, 106, 213),\*\* (29, 69, 145), 73, (147, 150), (15, 70, 210), (85, 89, 98, 115, 142), (122, 212), (79, 93, 107, 140, 141), 104, (16, 68, 88), (19, 80, 81, 92, 96, 103, 130, 138, 216, 218).

*Physics.*—174, 20, 172, (34, 181),\* 186, 194, 167, 183, (175, 182), (191, 201), 193, (142, 179), 15, 173, 180, 196, (187, 190, 199), 192,\*\* (188, 189), 195, (94, 202, 357).

*Drawing.*—10, 7, 5, 186, 174, 12,\* (13, 110), 8, 6, (1, 11), 179, 191, 2, (182, 195), 180, 175, (108, 193, 199), (111, 112, 185, 194, 202), (181, 198), (183, 188), (22, 200), (173, 189), (4, 75), 9,\*\* (184, 209), 102, (105, 106), (73, 74, 196, 205), (107, 201), 190, 177.

*Plant Collection.*—(111, 112, 103, 108, 79, 28, 16), (211, 209, 42, 102), (7, 29, 5), (105, 90, 205, 63, 52, 56, 41, 46), (104, 89, 162, 59, 61, 57, 136, 124), (88, 214, 135, 122, 123, 11), 133, (161, 132), (14, 26), 131, 137, (159, 165), (164, 163, 160), 62, (51, 177, 87), (66, 85), 84.

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*Trigonometry.*—(20, 206), (207, 208), 27, 28, (22, 70), 179,\* (180, 182), 204, 186, 172, 173, 78, (25, 34), (16, 23, 199), 167, 32, 19, (196, 210), 26,\*\* 185, (184, 201), (107, 190), (134, 200, 203).

*English Language.*—31, 13,\* (6, 71), (1, 52), 75, 10, 74, 14, 5, (2, 4, 73), (9, 12),\*\* 177, 7, 8, 45, 108, (3, 11).

*English Literature.*—20, (71, 83), (1, 74), (75, 108, 206), (159, 172), (141, 171, 208), (14, 84, 97, 150, 207), (27, 142), 2 (13, 15, 34, 82, 274), (8, 183), (104, 120), (99, 177), (7, 9, 12, 31, 56, 70, 138, 209), (26, 63, 73, 112, 146, 190), (100, 140, 162, 192, 213, 219), (124, 358), (10, 50, 52, 139, 169, 173, 176, 193), (22, 57, 133, 196, 211, 216), (6, 189), (25, 59, 62, 87, 98, 170, 195, 198), (28, 116, 129, 147, 185, 187, 203, 210),\* (105, 123, 205), (2, 17, 174, 178, 180, 194), (80, 127, 218), (76, 135, 145, 168, 175, 191), (89, 115, 132, 161, (107, 99), 68, (5, 18, 46, 106, 110, 131, 134, 153, 186, 188), (79, 150, 220), 130, (4, 11, 86, 88, 90, 179, 181, 217), (3, 16, 24, 81, 103, 111, 114, 122), 69, (91, 148), (42, 94, 158, 163, 164, 214), (96, 182), (202, 212), (36, 95, 102, 166), (85, 201), 136, (41, 61, 126, 143), (32, 128), 125, (184, 200), (137, 357),\*\* 167, 113, 165, 66, 92, (19, 67), (93, 144, 149).

ines, Ont  
xville, Q  
Scotland  
ake, Ont  
Montreal  
outo, Ont  
lton, Ont  
oke Ont  
ston, Ont  
nham, Q  
ticook, Q  
lton, Ont  
lock, Ont  
xville, Q

umbers are  
ed at least  
following:  
irls' High  
; Montreal  
School, 32-  
l Academy,  
; Compton  
183; Dan-  
; Inverness  
; Mansoul,  
ol, Quebec.  
demy, 131-  
d 359; St.  
y, 166 and  
3 and 299-  
in School,  
l 220.

20, 84, 75,  
83), (6, 74,  
5, 158, 164,  
205), (4, 97,  
1, 100), (2,  
o), 13, (25,  
) (89, 125,  
2, 107, 169,  
) 101, 161,  
\* (12, 130),  
) 132, 165,  
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) (80, 139,  
9, 56, 124,  
200), (120,  
18, 82, 17,

# Passed the University Examinations.

SESSION 1894-95

## FACULTY OF LAW.

PASSED FOR THE DEGREE OF B.C.L.

Robert Hugh Barron, B.A., Lachute	John Patrick Whelan, B. A. (Laval)
Albert Swindlehurst, Montreal	Montreal.
Saumarez Carmichael, B.A., Montreal	Dominique Charles Gaudet B. A., (Ottawa) Three Rivers, P.Q.,
Joseph Landry B.A., (Ottawa) St. Pierre de Montmagny, Que.	Joseph Augustin Devlin, B. A. (Laval) Aylmer, Que.
Emmanuel B. Devlin, B. A. (Laval) Aylmer, Que.	William Paterson, M. A., Montreal

## FACULTY OF MEDICINE

PASSED FOR THE DEGREE OF M.D., C.M.,

(Arranged alphabetically).

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Allen, J. H., B. A., West Osgood, Ont	Hogg, L., B.A., London, Ont
Anderson, D.P., B.A., New Liver- pool, Que	Hogle, J. H. Montreal
Anthony, X.L., Berwick, N.S.	Kerry, R.A., Montreal
Bailey, J.W., B.A. Northfield, Minn	King, J.H., Chipman, N.B
Basken, J.T., Dunrobin, Ont	Knapp, H.T., B.A., Sackville, N.B
Beatty, E.D., Nepean, Que	Lauterman, M. Montreal
Bishop, C.W., Montreal	MacLeay, A.A., B.A., Danville, Que
Blow, T. H., South Mountain, Ont	May, G.F., Montreal
Boucher, R.B., Peterboro, Ont	Merrick, J. H Merrickville, Ont
Bouck, C.W., Inkerman, Ont	McKinnon, N., Park Hill, Ont
Chapman, H. J., Port Elgin, N.B	McNally, G. J., Upper Kingsclear, N.B
Cummins, M.E., B.A. St. Stephen, N.B	Neill, R.W., Aylmer, Ont
Cowie, W., B.A., Montreal	Oliver, W., B.A., Rockburn, Ont
Cruikshank, A Inverness, Que	Price, B.S., King's Co., N.B
Day, J.L., B.A., Montreal	Quay, D.D., Port Hope, Ont
Ellis, W. L., St. John, N. B	Reilly, W. G., Ottawa, Ont
Feader, W.A., Iroquois, Ont	Robertson, J.E., Morrisburg, Ont
Flinn, J. W., Montreal	Saunders, E.H., Woodstock, Ont
Fox, C.H., Oxley, Ont	Shaw, H.M., Berwick, N.S
Gallant, St., C.J., Charlottetown, P.E.I	Vipond, C.W., Montreal
Gleason, J.H. Cowansville, Que	Walker, D. F., Huntingdon, Que
Grant, J. P., New Glasgow, N.S.	Watson, J.H., B.A., Barbadoes, W.I
Gun, A., Durham, Ont	Wickham, W.W., Summerside, P.E.I
Hamilton, R., Bright, Ont	Williams, J. A., Carleton Place, Ont
Hargrave, I.L., B.A., Rosedale, Mar.	Wood, D.M., Kenmore, Ont
	Wright, H.K., Montreal

Argue, J  
Bonnell,  
Burrell,  
Church,  
Curran,  
Crockett,  
Donahoe,

Drum, L.  
Dyer, A.,  
Edwards,  
Fraser, A  
Foster, A  
Foster, G  
Gordon, (C  
Gourley,  
Gurd, C.  
Harding,  
Harvey, J  
Harwood,  
Healey, D  
Holmes,  
Hughson,  
Hume, W  
Hurdman  
Johnston,  
Jost, A. (C  
Keenan, C  
Kemp, H.  
Kerr, A.  
Kirby, H.  
Laidley, J  
Lennon, E  
Le Touzel  
Lloyd, C.  
Macauley,  
MacLeod,  
McAllister  
McCallum

## PASSED THE PRIMARY EXAMINATION.

(Arranged alphabetically.)

Argue, J. F.,	Carp, O	McDonald, H. K.,	Pictou, N.S
Bonnell, S.,	N. Sydney, N.S	MacDougall, J. G.,	New Glasgow, N.S
Burrell, R. H.,	Yarmouth, N.S	McLennan, A. A.,	Lancaster, O
Church, C. H.,	Montreal	McLennon, D. A.,	Fournier, O
Curran, T. J. J.,	Montreal	MacPherson, D.,	Montreal
Crockett, A. D.,	Fredericton, N.B	McRae, J. D.,	Gienville, O
Donahoe, M.,	Cardigan Bridge, P. E.I	Mallock, N.,	Moose Jaw, Assa
Drum, L., B.A.,	Quebec, Q	Maloney, M.,	Pembroke, O
Dyer, A.,	Montreal	Mason, R.,	Dalesville, Q
Edwards, A. F.,	Thurso, Q	Merkley, E. A.,	Morrisburgh, O
Fraser, A. D.,	Hawkesbury, O	Midgley, R. J.,	Woodstock, O
Foster, A. L.,	Ottawa, O	Milburn, J. A.,	Peterboro, O
Foster, G. M.,	Pembroke, O	Morris, C. H.,	Windsor, N.S
Gordon, G. S.,	Halifax, N.S	Morse, L. H.,	Bridgetown, N.S
Gourley, T. A.,	Eganville, Ont	Patrick, D.,	Montreal
Gurd, C. C.,	Montreal	Pennyoy, A. R.,	Cookshire, Q
Harding, E. S., B.A.,	Amherst, N.S	Prescott, A. H.,	Queensbury, N.B
Harvey, T. C.,	Wolfville, N.B	Robert, G. E.,	Holyoke, Mass
Harwood, R. DeL.,	Vaudreuil, Q	Robertson, A. T.,	Agassiz, B.C
Healey, D. J.,	Sault Ste. Marie, O	Robertson, D. M.,	Perth, O
Holmes, H. S.,	Rat Portage, O	Robertson, F. M.,	Chatham, O
Hughson, R. E.,	Blenheim, O	Rogers, F. E.,	Brighton, O
Hume, W. H.,	Leeds Village, O	Roy, J. J.,	New Glasgow, N.S
Hurdman, H. H.,	Ottawa, O	Ryan, E. J.,	St. Kitts, W.I
Johnston, Wm.,	Charlottetown, P.E.I	Scott, W. T.,	Montreal
Jost, A. C., B.A.,	Guysboro, N.S	Seaton, J. S.,	St. John, N.B
Keenan, C. B.,	Ottawa, O	Skeels, A. A.,	Montreal
Kemp, H. G.,	Brighton, O	Smith, H.,	Acadia Mines, N.S
Kerr, A. R.,	Montreal	Smith, R. A.,	Durham, O
Kirby, H. S.,	Ottawa, O	Stackhouse, O. C. S.,	Lachute, Q
Laidley, J. H.,	Montreal	Stanfield, H. M.,	Truro, N.S
Lennon, H., B.A.,	Montreal	Sutherland, G. R.,	Hudson, N.S
Le Touzel, J. R.,	Goderich, O	Thomas, J. E.,	Montreal
Lloyd, C. D.,	Lockeport, N.S	Thompson, J. A.,	Kinnear's Mills, O
Macauley, J. J. F.,	River Dennis, N.S	Tierney, J. A.,	Fallowfield, O
MacLeod, E. E.,	Vancouver, B.C	Trainor, J. B.,	Kelly's Cross, P.E.I
McAllister, D. D.,	Belle Isle, N.B	Wainwright, F. R.,	Montreal
McCallum, E. C. D.,	Maxville, O	Wainwright, S. F. A.,	Montreal
		Williams, E. J.,	Montreal

ONS.

(Laval)

B. A.,  
Q.,  
B. A.

Montreal

uil, Que  
 lon, Ont  
 Montreal  
 Montreal  
 nan, N.B  
 ville, N.B  
 Montreal  
 ville, Que  
 Montreal  
 ville, Ont  
 Hill, Ont  
 ngsclair.  
 N.B  
 mer, Ont  
 urn, Ont  
 Co., N.B  
 ope, Ont  
 awa, Ont  
 urg, Ont  
 ock, Ont  
 rick, N.S  
 Montreal  
 lon, Que  
 oes, W.I  
 merside.  
 P.E.I  
 lace, Ont  
 ore, Ont  
 Montreal

## FACULTY OF ARTS.

BACHELORS OF ARTS PROCEEDING TO THE DEGREE OF M.A. IN COURSE.

PROF. BERNARD J. HARRINGTON, B.A.  
 REV. WM. H. WARRINER, B.A.  
 JOHN L. DAY, B.A.  
 WM. L. MESSENGER, B.A.

---

 ADMITTED TO THE DEGREE OF LL.D "HONORIS CAUSA."

PROF. ROBERT CRAIK, M.D., Dean of the Faculty of Medicine.  
 PROF. WILLIAM OSLER, M.D., Johns Hopkins University, Baltimore, U.S.

---

 PASSED FOR THE DEGREE OF B.A.
*In Honours.*

(Alphabetically arranged).

MCGILL COLLEGE.

*First Rank.*—BURNET, ARTHUR.  
 CAMERON, SUSAN E.  
 CROMBIE, WILLIAM T. B.  
 GUSTIN, W. ALFRED.  
 HOWARD, E. EDWIN.  
 KEITH, NEIL D.  
 LE ROY, OSMOND E.  
 LEVY, AARON.  
 RADFORD, ETHEL S.  
 ROGERS, REGINALD H.  
 SUTHERLAND, WILLIAM C.  
 TRAVIS, KATHARINE H.  
 TRENHOLME, NORMAN McL.  
 WALLACE, JAMES M.  
 WATSON, ROSALIND.  
 WILSON, MARGARET.  
 YOUNG, HENRY.

*Ordinary B.A.*

(In order of merit).

MCGILL COLLEGE.

*Class I.*—MACINTOSH, MAJOR H.  
 CRAIG, WILLIAM W.  
 WHITEAVES, A. MAUD.  
 ARMSTRONG, L. ETHEL.

*Class**Class I.**Class I.**Class II.**Class III.*



*Class II.*—SMYTH, OSWALD W.  
 FOURNEY, F. W.  
 HANSON, ALBERT C.  
 HICKSON, J. CLAUD.  
 SYMMES, THOMAS J.  
 DYER, EDWARD O.

*Class III.*—TOOKE, FRED. T.  
 HOPKINS, M. C. } equal.  
 WEIR, GEORGE. }  
 ARMSTRONG, E. N. } equal.  
 MCNAUGHTON, FRANCIS M. A. }  
 MCCOY, EMMA C.

PASSED THE INTERMEDIATE EXAMINATION.

McGILL COLLEGE.

*Class I.*—CAMERON, MARY T.  
 HOLDEN, MARGARET L. } equal.  
 WYMAN, HIRAM B. }  
 WYMAN, D. B.  
 ROSS, ELIZABETH.  
 YOUNG, LAURA A.  
 HOWARD, A. CAMPBELL C.  
 SAXE, JOHN G.

*Class II.*—CAMPBELL, ROLAND P.  
 MACMILLAN, TALMAGE R.  
 BROWNE, JOHN G.  
 SMITH, A. LOUISE.  
 KER, ROBT. H.  
 MACKAY, MALCOLM.  
 GALT, ANNIE P.  
 MCLEOD, DONALD M.  
 MCFARLANE, LAWRENCE.  
 STEACY, FRED. W.  
 MALLINSON, STEPHEN H.  
 WALBRIDGE, MABEL H.  
 CAMPBELL, EDWARD M.  
 ROWATT, DONALD MCK.  
 WATTERS, WM. H.  
 ROSS, ALEX. R.  
 DOULL, ETHEL M.  
 ARMSTRONG, W. J. ALEX.  
 MCLEAN, SAMUEL.

*Class III.*—IVES, CHAS. K.  
 RUSSEL, COLIN K.

DOUGLAS, ROBT. J.  
 TRENHOLME, ARTHUR K.  
 JOHNSTON, WALLACE.  
 MARLER, HERBERT M.  
 HINDS, CHARLOTTE. *s*  
 McMASTER, ANDREW R. *s*  
 STEPHENSON, JAMES. *s*  
 WILLIS, JOHN J. *s*

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ST. FRANCIS COLLEGE.

*Class I.*—POPE, C. H.

*Class II.*—McBURNEY, C.

*Class III.*—CRAIK, ARTHUR *s*.

*s* With supplemental in one subject (arranged alphabetically)

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STANSTEAD WESLEYAN COLLEGE.

*Class III.*—DU BOYCE, PERCY C. *s*

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FACULTY OF APPLIED SCIENCE.

BACHELORS OF APPLIED SCIENCE PROCEEDING TO THE DEGREE OF MA. E. IN COURSE.

Robert Erdike, B.A.Sc., Montreal.

George Fair Smith, B.A.Sc., Petitcodiac, N.B.

PASSED FOR THE DEGREE OF BACHELOR OF APPLIED SCIENCE.

In Order of Merit.

CIVIL ENGINEERING.

William Frederick Carter, Cowansville, Que., } equal.  
 Gilbert Sherwood Dobson, B.A., Dorchester, N.B., }  
 John Kimball Scammell, St. John, N.B.  
 Wilfrid Dougall, Montreal, Que.

ELECTRICAL ENGINEERING.

Robert Owen King, Toronto, Ont.

Ralph Baylis McDunnough, Montreal, Que.

Frederick Mark Becket, Montreal, Que.

Arthur Ramsay Holden, B.A., Montreal, Que.

Alfred Scott, Port Hope, Ont.

Arthur Langley Mudge,\* Montreal, Que.

Boutell  
 Clarke,  
 Cleaves  
 Cowan,

## MECHANICAL ENGINEERING.

William Currie, Montreal, Que.  
 George Dewar McDougall, Amherst, N.S.  
 Sampson Paul Robins, Montreal, Que.  
 Hugh Cossart Baker, Ottawa, Ont. } equal.  
 John Primrose, Pictou, N.S., }  
 Alexander Rogers Greig, Montreal, Que.  
 William Forrest Angus, Montreal, Que.  
 Peter McNaughton, Huntingdon, Que.  
 Michael Edward Griffin, Georgetown, P.E.I.  
 Walter Moffat Scott, Charlottetown, P.E.I.  
 Kenneth Moodie, Chesterville, Ont., } equal.  
 Thomas Francis Nivin, Montreal, Que. }  
 George Nelson Boright, Sutton, Que.  
 John Alexander Turner, Hamilton, Ont.  
 Frank Doughty Rogers,\* Montreal, Que.

## MINING ENGINEERING.

Orobio Chandler Hart, Cowansville, Que.  
 John Cole Gwillim, Winnipeg, Man.  
 Francis Alfred Wilkin, Calgary, N.W.T.  
 Charles Edwin van Barneveld, Grindstone, Que.  
 William Robert Askwith, New Edinburgh, Ont.

\* Ægrotat.

## FACULTY OF VETERINARY SCIENCE.

## PASSED FOR THE DEGREE OF D.V.S.

Boutelle, C. A.  
 Clarke, H. D.  
 Cleaves, L. S.  
 Cowan, A.

Cutting, J. C.  
 Hargrave, J. C.  
 Inglis, W. K.  
 Jones, W. V.

Lehnert, E. H.  
 Morrin, W. O.  
 Zink, C. H.

# Scholarships and Exhibitions.

SESSION 1894-95.

FACULTY OF ARTS.

## I. SCHOLARSHIPS (Tenable for two years).

Year of Award.	Names of Scholars.	Subjects of Exam- ination.	Annual Value.	Founder or Donor.
1893	Howard, Edwin	Mathematics.	\$125	W. C. McDonald.
1893	Wallace, James	Nat. Science.	125	W. C. McDonald.
1893	MacIntosh, Major	Class. & Mod. Lang	125	W. C. McDonald.
1894	Robertson, J. C.	Mathematics.	125	W. C. McDonald.
1894	Hutchinson, Margaret	Mathematics.	125	Donalda Fund.
1894	Scott, Arthur	Nat. Science.	125	W. C. McDonald.
1894	Ferguson, Wm. S.	Class. & Mod. Lang	120	Chas. Alexander.
1894	Saunders, Frank C.	Class. & Mod. Lang	120	Miss Barbara Scott.

## II. EXHIBITIONS (Tenable for one year).

NAMES OF EXHIBI- TIONERS.	Academic Year.	Annual Value.	Founder or Donor.
Bruce, J. C.	Second	\$125	George Hague.
Cameron, Mary T.	"	120	Sir Donald Smith.
Munn, D. W.	First	125	W. C. McDonald.
Heine, M. Casewell	"	125	W. C. McDonald.
Gardner, Wm. A.	"	125	W. C. McDonald.
Carr, Muriel B.	"	100 & free tuition	Sir Donald Smith.
Dagleish, R. W.	"	125	W. C. McDonald.
MacLaren, A. H.	"	125	W. C. McDonald.
Gill, J. L. W.	"	125	W. C. McDonald.
Bishop, W. G.	"	100	Major Hiram Mills.
Bourke-Wright, K.	"	90	Mrs. Jane Redpath.

Robert Hu  
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Albert Swi  
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Saumarez  
and

Victor Evel  
prize  
Robert Tho  
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Louis Boyer

Mitchell, I

Francis Jo  
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William O  
\$25.  
Charles H  
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George Hu  
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# Prizes, Honours and Standing.

SESSION 1894-5.

FACULTY OF LAW.

THIRD YEAR.

GRADUATING CLASS.

Robert Hugh Barron, B.A., Lachute, First Rank Honours and Elizabeth Torrance Gold Medal.

Albert Swindlehurst, Montreal, formerly London, England, First Rank Honours and prize of \$50.

Saumarez Carmichael, B.A., Montreal, First Rank Honours and prize of \$25, and prize for Thesis.

SECOND YEAR.

Victor Evelyn Mitchell, London, England, First Rank General Standing and prize of \$50.

Robert Thomas Mullin, Leitchfield, Pontiac, Q., First Rank General Standing and prize of \$25.

Louis Boyer, Montreal, First Rank General Standing.

PASSED SESSIONAL EXAMINATIONS.

Mitchell, Mullin, Boyer, Hanson, Gamble, Donahue.

FIRST YEAR.

Francis Joseph Laverty, Montreal, First Rank General Standing and prize of \$50.

William Oswald Smyth, Montreal, First Rank General Standing and prize of \$25.

Charles Henry Mansur, B.A., Stanstead, Q., First Rank General Standing and non-resident Scholarship.

George Hugh Alexander Montgomery (B.A. Bishops), Philipsburg, First Rank General Standing and non-resident Scholarship.

PASSED SESSIONAL EXAMINATIONS.

Laverty, Smyth, Mansur, Montgomery, Kneeland, Bond, Dickson, Cook, Armstrong, Jasmin *s*, Duclos, Boyd *s*, Bickerdike, Brossoit *s*.

Also, subject to supplemental examinations.

Cole (not examined in two subjects), Ewing, *ager*, and Stewart.

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## STANDING IN THE CLASSES.

PROFESSOR N. W. TRENHOLME, D.C.L., Q.C., Dean of the Faculty, Examiner,

## CRIMINAL LAW.—

*Third Year.*—Barron and Swindlehurst, equal ; Carmichael ; Landry, and Devlin, E. B., equal ; Gaudet, Devlin, J. A., Patterson, Whelan.

*Second Year.*—Mitchell, Mullin, Hanson, Boyer ; Gamble and Doucet, equal ; Donahue, White.

*First Year.*—Smyth, Mansur, Kneeland, Armstrong, Ewing ; Cook and Bond, equal ; Brossoit and Bickerdike and Jasmin, equal ; Lavery, Cole ; Duclos and Dickson, equal ; Stewart ; Honan and Boyd and Montgomery, equal.

## LAW OF INSURANCE.—

*Third Year.*—Barron, Swindlehurst, Carmichael, E. B. Devlin, Landry, Whelan, J. A. Devlin ; Gaudet and Patterson, equal.

*Second Year.*—Mitchell, Gamble, Mullin, White, Hanson, Boyer Donahue, Doucet.

*First Year.*—Cole and Montgomery, equal ; Lavery, Smyth ; Bond, Bickerdike ; Kneeland and Mansur, equal ; Armstrong and Boyd, equal ; Cook and Dickson, equal ; Duclos, Jasmin, Brossoit.

## INTERNATIONAL AND CONSTITUTIONAL LAW.—

*Third Year.*—Barron, Swindlehurst, Gaudet ; J. A. Devlin and Landry, equal ; Whelan and E. B. Devlin, equal ; Carmichael, Patterson.

*Second Year.*—Boyer and Mullin, equal ; Mitchell, Hanson, Donahue, Doucet.

*First Year.*—Lavery, Duclos, Kneeland, Jasmin ; Armstrong and Mansur, equal ; Cook and Smyth, equal ; Stewart and Cole, equal ; Brossoit, Montgomery, Bond ; Boyd and Bickerdike, equal ; Dickson ; Bessette and Fortin and Honan, equal.

## PRELIMINARY COURSE ON OBLIGATIONS.—

*Second Year.*—Mitchell and Mullin, equal ; Boyer, Donahue, Gamble, Doucet, Hanson, White.

*First Year.*—Lavery and Smyth, equal ; Mansur and Dickson, equal, Cole and Montgomery, equal ; Jasmin ; Brossoit and Cook, equal ; Ewing, Stewart, Bickerdike, Boyd, Bond, Duclos, Kneeland, Bessette, Armstrong ; Honan and Fortin equal.

## LAW OF REAL ESTATE.—

PROFESSOR THE HONOURABLE J. S. C. WURTELE, Examiner.

*Third Year.*—Barron, Whelan, Landry, Swindlehurst, Carmichael, E. B. Devlin, Patterson, Gaudet, J. A. Devlin.

*Second Year.*—Mitchell, Hanson, Mullin, Doucet, Boyer, White, Gamble, Donahue.

*First Year.*—Lavery, Montgomery, Mansur, Smyth, Armstrong, Cook Cole, Kneeland, Bond, Dickson, Jasmin, Duclos, Stewart, Boyd, Bickerdike, Brossoit.

## COMMERCIAL LAW, AGENCY AND PARTNERSHIP.

PROFESSOR L. H. DAVIDSON, D.C.L., Q.C., Examiner.

*Third Year.*—Barron, Devlin, J. A., Swindlehurst, Devlin, E. B. Carmichael, Landry, Gaudet, Patterson, Whelan.

*Second Year.*—Mitchell, Mullin, Boyer, Donahue, White, Hanson, Gamble.

*First Year.*—Smyth; Lavery and Montgomery and Kneeland, equal Mansur, Ewing, Dickson, Bond, Bickerdike; Stewart and Armstrong and Brossoit, equal; Jasmin, Cook, Boyd, Duclos.

## LAW OF CONTRACTS.—Professor C. A. Geoffrion, Q.C., M.P., Examiner.

*Third Year.*—Barron, Carmichael, Swindlehurst; Gaudet and Landry equal; Patterson and E. B. Devlin, equal; Whelan and J. A. Devlin, equal.

*Second Year.*—Mitchell; Boyer and White, equal; Mullin; Donahue and Hanson, equal; Doucet, Gamble.

*First Year.*—Jasmin and Lavery and Mansur, equal; Armstrong, Fortin, Kneeland; Cook and Ewing and Smyth and Stewart, equal; Boyd and Montgomery, equal; Bond and Dickson, equal, Brossoit and Bickerdike and Cole, equal; Duclos and Sinn and Honan, equal; Bessette and Lapointe, equal.

## HISTORY OF LOWER CANADIAN LAW AND LEGAL BIBLIOGRAPHY.

PROFESSOR ARCHIBALD MCGOUN, M.A., B.C.L., Examiner.

*Third Year.*—Swindlehurst, Gaudet; Barron and Devlin J. A., equal; Patterson, Carmichael; Devlin, E. B., and Landry, equal; Whelan.

*Second Year.*—Mitchell, Gamble, Boyer, Hanson, Donahue, Mullin, Doucet, White.

*First Year.*—Ewing, Lavery, Montgomery, Smyth, Dickson, Kneeland, Jasmin, Cole, Bessette, Duclos, Mansur, Cook, Honan, Bond, Armstrong, Bickerdike, Sinn, Fortin, Boyd, Stewart, Brossoit.

## CIVIL PROCEDURE.—

PROFESSOR THOMAS FORTIN, LL.B., B.C.L., Examiner.

*Third Year.*—Barron, Swindlehurst, Whelan, Devlin, J. A., Devlin, E. B., Carmichael, Landry, Patterson, Gaudet.

*Second Year.*—Gamble, Mitchell, Mullin, Boyer, Hanson, Donahue, White, Doucet.

*First Year.*—Lavery and Mansur and Smyth, equal; Montgomery, Ewing, Dickson, Bond; Duclos and Kneeland, equal; Jasmin, Armstrong; Bickerdike and Boyd and Cook and Besette and Stewart, equal.

NOTARIAL LAW.—Prof. W. DE M. MARLER, B.A., B.C.L., Examiner.

*Third Year.*—Barron, Carmichael, Swindlehurst, Devlin E. B., Gaudet; Landry and Whelan, equal; Patterson, Devlin, J. A.

*Second Year.*—Doucet, Mullin, Mitchell; Boyer and Hanson, equal; Donahue; Gamble and White, equal.

*First Year.*—Lavery, Bond; Smyth and Cole, equal; Montgomery, Mansur, Besette, Armstrong, Kneeland, Stewart; Cook and Duclos, equal; Dickson, Jasmin, Boyd, Brossoit; Fortin and Bickerdike and Lapointe, equal; Honan, Sinn.

CIVIL LAW.—Successions.—Professor, The Hon. C. J. DOHERTY, B.C.L., Examiner.

*Third Year.*—Barron, Carmichael, Devlin E. B.; Gaudet and Landry, equal; Whelan, Patterson, Swindlehurst, Devlin J. A.

*Second Year.*—Boyer and Mitchell, equal; Gamble and Hanson, equal; Donahue, Mullin, Doucet, White.

*First Year.*—Mansur, Montgomery, Smyth, Cole; Dickson and Lavery, equal; Duclos; Bond and Armstrong, equal; Boyd and Kneeland, equal; Cook and Jasmin, equal; Besette and Brossoit, equal; Honan, Fortin, Bickerdike, Lapointe, Sinn.

LAW OF BANKING AND DOCUMENTS OF TITLE.—Professor HARRY ABBOTT, B.C.L., Q.C., Examiner.

*Third Year.*—Barron, Carmichael, Swindlehurst, Landry, Devlin E. B., Gaudet, Patterson, Devlin J. A., Whelan.

*Second Year.*—Mitchell, Mullin, Gamble, Boyer, Donahue; Hanson and White, equal; Doucet.

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*First Year.*—Lavery, Montgomery, Mansur, Cook, Smyth, Kneeland, Bond, Dickson, Armstrong, Cole, Stewart; Honan and Boyd, equal; Duclos, Jasmin, Bickerdike, Brossoit, Sinn; Bessette and Lapointe, equal.

CIVIL LAW.—Marriage Covenants.—Professor EUGENE LAFLEUR, B.A., B.C.L., Examiner.

*Third Year.*—Barron; Carmichael and Swindlehurst, equal; Landry, Whelan, Devlin E. B., Patterson, Gaudet, Devlin J. A.

*Second Year.*—Boyer, Mitchell, Hanson; Doucet and Gamble and Mullin, equal; Donahue, White.

*First Year.*—Lavery and Montgomery, equal; Smyth; Ewing and Mansur, equal; Bond and Stewart, equal; Dickson, Duclos, Kneeland; Bessette and Fortin, equal; Cook, Brossoit; Armstrong and Bickerdike, equal, Boyd, Jasmin.

ROMAN LAW.—Lecturer PERCY C. RYAN, B.C.L., Examiner.

*First Year.*—Cook and Smyth, equal; Boyd, Brossoit, Mansur; Bickerdike and Stewart and Cole, equal; Duclos, Montgomery, Bond; Jasmin and Armstrong, equal; Kneeland, Dickson, Lavery, Bessette, Fortin; Honan and Sinn, equal.

## FACULTY OF MEDICINE.

### MEDALS AND PRIZES.

THE HOLMES MEDAL is awarded to WILLIAM ARNOLD FEADER, Iroquois, Ont.

THE FINAL PRIZE is awarded to WILLIAM GEORGE REILLY, Ottawa, Ont.

THE PRIMARY PRIZE is awarded to CAMPBELL BROWN KEENAN, Ottawa, Ont.

THE SUTHERLAND MEDAL is awarded to CAMPBELL BROWN KEENAN, Ottawa, Ont.

THE CLEMESHA PRIZE is awarded to WILLIAM WALTER WICKHAM, Summerside, P.E.I.

THE CLINICAL CHEMISTRY PRIZE is awarded to W. OLIVER, B.A.

THE SENIOR ANATOMY PRIZE is awarded to E. M. VON EBERTS, Winnipeg, Man.

## FACULTY OF VETERINARY SCIENCE.

## PRIZES.

Veterinary Medicine and Surgery—W. K. Inglis.  
 Anatomy—Harri Dell,  
 Cattle Pathology—C. H. Zink.  
 Cynology—C. H. Zink.  
 Pharmacology and Therapeutics—C. H. Higgins.  
 Botany—F. A. Brennan.  
 Chemistry—C. H. Higgins.  
 Physiology—Harri Dell.  
 Best general examination in all subjects—Silver Medal—John Campbell Hargrave.

## SCHOLARSHIPS.

For the highest aggregate obtained in First Year subjects (Fifty Dollars)—F. A. Brennan.  
 For the highest aggregate obtained in Second Year subjects (Fifty Dollars)—H. Dell.

## EXTRA PRIZES.

For the best essay read before the Veterinary Medical Association: 1st—C. H. Zink, jr. 2nd—C. A. Boutelle. 3rd—A. Cowan.  
 For the best essay read before the Society for the study of Comparative Psychology: 1st—W. K. Inglis. 2nd—H. D. Clark. 3rd—C. H. Zink.  
 For the best essay by Junior Students—H. Dell.

## FACULTY OF ARTS.

## GRADUATING CLASS.

*B.A. Honours in Mathematics and Natural Philosophy.*  
 HOWARD, E. EDWIN.—First Rank Honours and Anne Molson Gold Medal.  
*B.A. Honours in Classics.*  
 BURNET, ARTHUR.—First Rank Honours and Chapman Gold Medal.  
*B.A. Honours in Natural Science.*  
 WATSON, ROSALIND.—First Rank Honours and Logan Gold Medal.  
 SUTHERLAND, WM. C.—First Rank Honours.  
 RADFORD, ETHEL S.—First Rank Honours.  
 LEROY, OSMOND E.—First Rank Honours.

TRAVIS,

ROGERS,

WALLAC

CROMBIE

GUSTIN,

YOUNG,

B.

CAMERO

TRENHO

LEVY AA

WILSON,

KEITH, N

MACINTO

CRAIG, W

WHITEAV

ARMSTBO

ROBERTSON

N

FERGUSON,

S

HAMMOND,

S

LENNON, W

P

SAUNDERS,

P

SMILEY, F

L

R

FRASER, H

AN

*B.A. Honours in Mental and Moral Philosophy.*

- TRAVIS, KATHARINE H.—First Rank Honours and Prince of Wales Gold Medal.  
 ROGERS, REGINALD H.—First Rank Honours.  
 WALLACE, JAMES M.—First Rank Honours.  
 CROMBIE, WILLIAM T. B.—First Rank Honours.  
 GUSTIN, WILLIAM A.—First Rank Honours.  
 YOUNG, HENRY.—First Rank Honours.

*B.A. Honours in English Language, Literature and History.*

- CAMERON, SUSAN.—First Rank Honours and Shakspeare Gold Medal.  
 TRENHOLME, NORMAN McL.—First Rank Honours.

*B.A. Honours in Modern Languages.*

- LEVY AARON.—First Rank Honours and Aberdeen Gold Medal.  
 WILSON, MARGARET.—First Rank Honours.

*B.A. Honours in Semitic Languages and Literature.*

- KEITH, NEIL D.—First Rank Honours and the Neil Stewart Prize.

*Special Certificate for First Rank General Standing.*

- MACINTOSH, MAJOR H.—Special Certificate and Hiram Mills Gold Medal.  
 CRAIG, WM. W.—Special Certificate.  
 WHITEAVES, A. MAUD.—Special Certificate.  
 ARMSTBONG, L. ETHEL.—Special Certificate.

## THIRD YEAR.

- ROBERTSON, JOHN C.—First Rank Honours and Prize in Mathematics and Natural Philosophy; First Rank General Standing; Prize in Hebrew.  
 FERGUSON, WM. S.—First Rank Honours in Classics; First Rank General Standing; Prize in Greek; Prize in Latin.  
 HAMMOND, ELIZ. A.—First Rank Honours in Classics; First Rank General Standing; Prizes in Greek, Latin and Zoology.  
 LENNON, W. S.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing.  
 SAUNDERS, FRANK C.—First Rank Honours and Prize in Mental and Moral Philosophy; First Rank General Standing.  
 SMILEY, FRANCIS C.—First Rank Honours and Prize in English Language, Literature and History; Prize in English and Rhetoric; First Rank General Standing.  
 FRASER, H. ALICE—First Rank Honours in English Language, Literature and History; First Rank General Standing.

- NICHOLS, AMY W.—First Rank Honours in English Language, Literature and History; First Rank General Standing.
- PITCHER, WINONA J.—First Rank Honours in English Language, Literature and History; First Rank General Standing; Prize in English and Rhetoric.
- SCOTT, ARTHUR P.—First Rank Honours in Natural Science; First Rank General Standing; Prize in Zoology.
- LOCKE, WINIFRED A.—First Rank Honours in Modern Languages; First Rank General Standing; Prize in German.
- HUTCHINSON, MARGARET.—First Rank Honours and Prize in Mathematics and Natural Philosophy.
- CAMPBELL, GEO. A.—First Rank Honours in English Language, Literature and History.
- WATT, J. C.—First Rank Honours in Mental and Moral Philosophy.
- MITCHELL, KATHERINE.—First Rank Honours in English Language, Literature and History.
- HURST, ETHEL.—First Rank Honours in English Language, Literature and History.
- BOTTERELL, FLORENCE.—First Rank Honours in English Language, Literature and History.
- MACPHAIL, JEANNETTE C.—First Rank Honours and Prize in Mental and Moral Philosophy.
- POLLOCK, THOS. J.—Second Rank Honours in Natural Science.
- ROSS, HERBERT.—First Rank General Standing.
- MOLSON, KENNETH.—First Rank General Standing.
- GORDON, ALF. E.—Prize in Botany.

## THIRD YEAR.

## PASSED THE SESSIONAL EXAMINATION.

Robertson, Hammond, Scott, Ferguson; Fraser and Saunders, equal; Ross; Locke and Nichols, equal; Lennon; Molson and Pitcher and Smiley, equal; Mitchell, Pollock, St. James, Paterson, Campbell, Watt, Botterell, Hurst; Coburn and Gordon and Hutchinson, equal; McCuaig and Scrimger, equal; Brown, Howell; Vaudry and Watson, equal; Denoon and McMartin and Turner, equal; Chalmers, Macphail.

## SECOND YEAR.

- CAMERON, MARY T.—(Trafalgar Institute).—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in Greek; Prize in German.
- MACKAY, MALCOLM.—(Montreal College Institute).—First Rank Honours and Prize in Mathematics.

HOLDE

WYMA

WYMA

ROSS, F

YOUNG,

HOWAR

SAXE, J

CAMPBE

GALT, A

MACMILI

SMITH, A

Cameron

s.—With

BROOKS I

THOMPSON

GARDNER,

DALGLEISH

BISHOP, W

M

- HOLDEN, MARGARET L.—(G. H. S. St. John, N.B.).—First Rank General Standing.
- WYMAN, HIRAM B.—(Hawkesbury High School. First Rank General Standing; Prize in Latin; Prize in French.
- WYMAN, DANIEL B.—(Hawkesbury High School).—First Rank General Standing; Prize in Hebrew.
- ROSS, ELIZABETH.—(Private Tuition).—First Rank General Standing; Prize in Logic.
- YOUNG, LAURA A.—(Prince of Wales College, P.E.I.).—First Rank General Standing; Prize in English; Prize in French.
- HOWARD, A. CAMPBELL P.—(Montreal Collegiate Inst.).—First Rank General Standing; Prize in Greek; Prize in Latin.
- SAXE, JOHN GODFREY.—(Montreal High School).—First Rank General Standing; Prize in English.
- CAMPBELL, ROLAND P.—(Montreal Collegiate Institute).—Prize in Logic.
- GALT, ANNIE PRINCE.—(Private Tuition.).—Prize in Latin.
- MACMILLAN, TALMAGE R.—(Prince of Wales College, P.E.I.).—Prize in Botany.
- SMITH, A. LOUISE.—(Misses Symmers and Smith).—Prize in Botany.

## SECOND YEAR.

## PASSED THE SESSIONAL EXAMINATION.

Cameron; Holden and Wyman (Hiram B.), equal; Wyman (D. B.), Ross Young, Howard, Saxe, Campbell, Macmillan, Browne, Smith, Ker, Mackay, Galt, McLeod, Macfarlane, Steacy, Mallinson, Walbridge, Campbell (E. M.), Rowatt, Watters, Ross, (A. R.), Doull, Armstrong, McLean, Boyce, Ives, Russel, Douglas, Trenholme, Johnston, Marler, Hinds s, McMaster s; Stephenson s, Willis s.

s.—With supplemental examination in one subject (arranged alphabetically).

## FIRST YEAR.

- BROOKS HARRIET.—(Seaforth Coll. Inst.).—First Rank Honours and Prize in Mathematics; First Rank General Standing.
- THOMPSON, JAMES R.—(Sarnia Coll. Inst.).—First Rank Honours and Prize in Mathematics; Prize in German.
- GARDNER, WILLIAM A.—(Huntingdon Academy).—First Rank Honours and Prize in Mathematics.
- DALGLEISH, ROBERT W.—(Huntingdon Academy).—First Rank Honours and Prize in Mathematics; First Rank General Standing; Prize in Greek.
- BISHOP, W. GORDON.—(Montreal Coll. Inst.).—Second Rank Honours in Mathematics.

- HEINE, M. C.—(Leal's School, Plainfield, N. J.)—First Rank General Standing; Prize in Latin.
- BOURKE-WRIGHT, K. M. H.—(Univ. Coll. Aberstwyth, Wales).—First Rank General Standing; Prize in Greek; Prize in Chemistry.
- CARR, MURIEL B.—(G. H.S., St. John, N.B.).—First Rank General Standing Coster Memorial Prize; Prize in Latin; Prize in French; Prize in English.
- PATERSON, ROBERT C.—(Montreal Coll. Inst.).—First Rank General Standing.
- WALKER, LAURA F. M.—(Private Tuition).—First Rank General Standing; Prize in English.
- COLBY, JOHN C.—(Montreal Coll. Inst.).—Prize in French.
- PATERSON, EDWIN R.—(St. Francis Coll.).—Prize in Chemistry, Prize in French.
- TURNER, HENRY H.—(Carleton Place H. S.).—Prize in Hebrew
- KNEEN, GRACE.—(Montreal G. H. S.).—Prize in Chemistry.
- CAMERON, FRANCIS M. T.—(Trafalgar Institute).—Prize in German.

## FIRST YEAR.

## PASSED THE SESSIONAL EXAMINATIONS.

Carr, Bourke-Wright, Brooks, Heine, Walker, Paterson (R. C.), Dalgleish, Turner (H. H.), Paterson (E. R.), Maclaren, Leney, Meyer, Duff, Thompson (J. R.), Jordan, Turner (W.), Gilday; Costigan and Gardner, equal; Prudham, Ryckman; Kneen and McGregor, equal; Bates, Vineberg, Cameron (Frances), Codd, Bishop, Cowan, Shaw, Campbell, Leet, Thompson (J. E.), Ross (W.), Colby Pearson, Dover, Ross (A. B.), Reid, Thomas, Dutton s, Heaney s, Luttrell s, MacLeod s, Moore s, Stephens s, Tarlton s, Fodd.

(s) With supplemental examination in one subject (arranged alphabetically).

## AWARD OF SCHOLARSHIPS AND EXHIBITIONS, ETC., SEPTEMBER, 1894.

I. FOURTH YEAR.—Anne Molson Mathematical Prize, Howard, E. Edwin.

II. THIRD YEAR.—SCHOLARSHIPS (tenable for two years).

*Mathematical Scholarship.*—\*Robertson, J. C.

“ “ *Donalda Dept.*—†Hutchinson, Margaret.

*Natural Science Scholarship.*—\*Scott, Arthur.

*Classical and Modern Language Scholarship.*—§Ferguson, †Saunders

III. SECOND YEAR.—EXHIBITIONS (tenable for one year).

§§ Bruce, J. C., Huntingdon Academy.

†(a) Cameron, Mary T., Trafalgar Institute.

IV. FIRST  
Class I.—

Class II.

† Annual  
\* “  
§ “  
§§ “  
‡ “  
†(a) “  
†(b) “  
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†† “

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## IV. FIRST YEAR.—HIGHER ENTRANCE AND EXHIBITION EXAMINATIONS.

<i>Class I.</i> —*Munn, D. W., Quebec High School,	Exhibition.
*Heine, M. Caswell, Leal's School, Plainfield.	"
*Gardner, Wm. A., Huntingdon Academy,	"
†(b) Carr, Muriel B., Girls' High School St. } John, N.B.,	"
*Dalgeish, R. W., Huntingdon Academy,	"
*Maclaren, A. H., Huntingdon Academy,	"
*Gill, J. L. W., Private Tuition,	"
** Bishop, W. G., Montreal Collegiate Institute,	"
<i>Class II.</i> †† Bourke-Wright, Katherine, Univrs. Coll., Aberystwyth, Wales, Bursary.	
Thompson, J. R., Sarnia Coll. Institute.	
Evans, John Hy., Montreal Coll. Institute.	
McGregor, J. Albert, Huntingdon Academy.	

† Annual value, \$125—Donor, Sir Donald Smith.
* " " \$125—Founder, W. C. McDonald, Esq.
§ " " \$120—Founder, Charles Alexander, Esq.
§§ " " \$125—Donor, George Hague, Esq.
‡ " " \$120—Founder, Miss Barbara Scott.
†(a) " " \$120—Donor, Sir Donald Smith.
†(b) " " \$100 and free tuition—Sir Donald Smith.
** " " \$100—Founder, Major Hiram Mills.
†† " " \$90—Founder, Mrs. Jane Redpath.

## SUPPLEMENTAL EXAMINATIONS.

September to Christmas 1894.

(a) *Supplemental Sessional*

THIRD YEAR.—Tooke, Young (S.), McNaughton.

FIRST YEAR.—Cleland, Trenholme.

(Stanstead Coll.)—Nunns, Terrill.

(b) *Supplemental in one Subject.*SECOND YEAR.—Howell, Scrimger, Brown, Chalmers, Denoon, McBurney,  
McCuaig.

FIRST YEAR.—Russel, Stephen.

## SESSIONAL EXAMINATIONS, 1894.

## MCGILL COLLEGE.

(Partial student are indicated by asterisks.)

## GREEK.

B.A. ORDINARY.—*Class I.*—Craig, Burnet, MacIntosh. *Class II.*—Cameron,  
Gustin. *Class III.*—Weir, McCoy.

THIRD YEAR.—*Class I.*—Ferguson (*Prize*), Hammond (Eliz. A.) (*Prize*); Pollock, Molson, Ross, Watt. *Class II.*—Gordon and Lennon and McMartin, equal; Turner. *Class III.*—Brown, Howell, Chalmers, Scrimger, Vaudry.

SECOND YEAR.—*Class I.*—Howard (*Prize*), Raynes, Ker; Cameron (M. T.) (*Prize*) and McMillan, equal; Wyman (D. B.), Steacy; McMaster and Smith (L.) and Wyman (H. B.), equal. *Class II.*—Ross (A. R.); McLeod (D. M.) and Armstrong and Browne, equal; Shaw; Larmonth and Rowat, equal; Willis and Mallinson, equal. *Class III.*—Campbell (E. M.) and McKay (M.) and Watters, equal; Doull, Campbell (R. P.); Johnston and Saxe, equal; Russell; MacLean and Marler, equal; Ives and Macfarlane, equal; Trenholme, Boyce, Douglas, Pinder, Cunningham.

FIRST YEAR.—*Class I.*—Bourke-Wright (*Prize*), Carr, Dalgleish (*Prize*), MacLaren, Heine, Loney; Paterson (E. R.) and Meyer, equal; Campbell and Ship, equal. *Class II.*—Turner (H. H.), Reid, Paterson (R. C.); Cameron (F. M. T.) and Thompson (J. R.) and Vineberg, equal, Turner (W. D.); Duff and Leet and McGregor, equal; Gardner; Costigan; Kneen and McLeod (H. S.), equal. *Class III.*—Brooks and Moore and Ross (A. B.), equal; Cowan, Bishop; Ross (W. W.) and Thompson (J. E.), equal; Shaw (L.), Bates, Prudham; Gilday and Gill, equal; Thomas, Grace, Evans; Dutton and Luttrell, equal; Steen, Saxe, Colby, Tarlton.

## LATIN.

B. A. ORDINARY.—*Class I.*—Burnet and MacIntosh, equal; Armstrong (Ethel) and Craig and Whiteaves, equal; Fourney. *Class II.*—Armstrong (Edgar) and Tooke, equal; Hickson and Hopkins, equal; Smyth. *Class III.*—Dyer and Symmes, equal; McNaughton, McCoy.

THIRD YEAR.—*Class I.*—Ferguson and Hammond, equal; Campbell, Fraser, Ross; Nicholls and Saunders, equal; Pitcher, Mitchell. *Class II.*—Locke; McCuaig and Smiley, equal; Hurst, Molson, McWilliam; Brown and Paterson, equal; St. James and Turner, equal; Denoon. *Class III.*—McMartin; Vaudry and Watson, equal; Macphail, Chalmers, Graham, Botterell.

SECOND YEAR.—*Class I.*—Howard (*Prize*), Wyman (H. B.) (*Prize*), McMillan McMaster, Young, Rowat, Wyman (D. B.), Smith (Louise), Browne, Ker. *Class II.*—McLeod (D. M.), Steacy, Cameron (M. T.), Macfarlane, Holden, Ross (E.), Galt, Walbridge; Mallinson and Doull, equal. *Class III.*—Trenholme; Saxe and McKay (Malcolm), equal; Marler and Watters and Willis, equal; Campbell (E. M.), Campbell (R. P.), Douglas, McLean, Ross (A. R.), Ives, Armstrong, Pinder, Boyce, Hinds, Johnston, Russell, Stevenson, Stephen, Moore.

SECOND YEAR.—LATIN PROSE COMPOSITION.—*Class I.*—Galt (*Prize*), Howard, Cameron (M. T.), Wyman (D. B.); Ker and McMillan, equal; Holden and McMaster and Wyman (H. B.), equal. *Class II.*—Mallinson; Armstrong and Young, equal; Ross (E.) and Steacy, equal; Campbell (E. M.) and McLeod (D. M.) and Trenholme, equal; Smith (L.) and

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Watters, equal. *Class III.*—McKny (M.) and Saxe, equal; Doull and Larmonth, equal; Campbell (R. P.) and Johnston and Russell, equal; Ross (A. R.), Willis, Rowatt, Hinds, Ives, Browne, Macfarlane, Walbridge, McLean, Marler, Douglas, Cunningham, Stephen, Boyce, Stevenson.

FIRST YEAR.—*Class I.*—Carr (*Prize*); Heine (*Prize*) and Bourke-Wright, equal Walker, Dalgleish, Duff. *Class II.*—Brooks, Codd; Bishop and McLaren, equal; Ryckman, Paterson (R. C.); Gilday and MacLeod (H. S.) and Meyer and Stephens and Turner (H. H.), equal; Gardner and Leet, equal; Costigan; Campbell and Jordan, equal. *Class III.*—Paterson (E. R.); Loney and Thompson (J. E.), equal; Thompson (J. R.); Cameron (F. M.) and Ship, equal; Colby and Shaw, equal; Pearson, McGregor; Kneen and Ross (W. W.), equal; Vineberg; Reid and Turner, (W. D.), equal; Ross (A. B.), Luttrell, Thomas, Bates, Moore, Cowan, Dover, Dutton, Prudham, Gill, Heeney, Todd, Evans.

ROMAN HISTORY AND LITERATURE.

FIRST YEAR.—*Class I.*—MacLaren and Paterson (E. R.), equal; Bourke-Wright; Heine and Walker, equal; Bishop and Dalgleish and Shaw (A. L.), equal; Brooks and Gilday, equal; Jordan and Loney and McGregor, equal. *Class II.*—Carr and Costigan and Vineberg, equal; Meyer; Duff and Gardner and McLeod (H. S.) and Pearson and Ross (W. W.), equal; Luttrell and Paterson (R. C.) and Turner (W. D.), equal; Thomas and Turner (H. H.), equal; Kneen and Ryckman and Stephens, equal; Campbell and Colby and Steen, equal; Codd and Cowan and Dover, equal; Leet and Tighe, equal. *Class III.*—Cameron (F. M. T.) and McLeod (L.) and Thompson (J. R.), equal; Dutton and Grace and Prudham, equal; Reid and Thompson (J. E.), equal; Heeney, Tarlton, Evans, Bates, Ross (A. B.); Cameron (A. G.) and Johnson (C. E.), equal; Gill, Saxe, Todd.

MENTAL AND MORAL PHILOSOPHY.

B. A. ORDINARY.—(*Moral Philosophy*).—*Class I.*—Crombie (W.); Milliken\* and Smyth and Travis, equal; Armstrong (Ethel) and Whiteaves, equal; Wallace, \*Brown, Patterson; \*Pates\* and Rogers, equal; Keith; McIntosh and Young (H.), equal; Monk\* and Seller,\* equal; Radford, Watson; \*Fish and Fournery, equal; Hickson and Keefer,\* equal; Gustin, Humphrey and \*Warden, equal. *Class II.*—Weir; Hopkins and Sutherland, equal; Trenholme, Walker; Craig and Hanson, equal Beamish\* McNaughton *Class III.*—\*Graham and McCoy and Tooke, equal; \*Mason, Symmes, \*Elliott; \*Extence and Leitch, equal; \*Brand and \*Mills, equal; Armstrong (E. N.) and Dyer and \*Leitch, equal; Young (S.), Wilson (W.), Wright.

THIRD YEAR.—(*Mental Philosophy*).—*Class I.*—Lennon, Pates\*, Watt (J. C.) Saunders, \*Belton; \*Brace and Scott and Smiley, equal; Botterell (F.) and Henderson, equal; Eagleson; Patterson (J. R.) and Pollock (T. J.), equal; Howell, Macphail; Gordon and Scrimger, equal. *Class II.*—\*Cashmore, Watt (R. G.), Coburn, \*Smith (W. A.); \*Cavers and Smythe,\* equal; Horsey, Campbell (G. J.), Ziegler. *Class III.*—Kelly; Lough and Smith (G. E.), equal; \*Brand, Ashdown, Pollock (A. F.), \*Miller, Wright, \*Quincey, \*Graham. *Passed.*—Campbell (G. A.).

SECOND YEAR.—(*Logic*).—*Class I.*—Campbell (R. P.), McMaster, Wyman (H. B.), Saxe, Armstrong; Browne and Cameron and Ross (Eliz.), equal; Ker and Steacy and Wyman (D. B.), equal; Macfarlane and Mackay, equal; Campbell (E. M.) and Doull, equal; Ross (A. R.), Holden; Rowat and Smith and Watters and Willis and Young, equal; Galt, Mallinson, McLeod, Russel, Howard. *Class II.*—McMillan, Douglas, \*Reid, \*Warren \*Hill, Hinds, MacLean, Ives, Pinder; \*Alexander and \*Crozier and Wallbridge, equal; \*Lewis and Trenholme, equal. *Class III.*—Boyce, \*Anglin, Stevenson, \*Bradshaw, Stephen, \*Ferguson, Johnston; \*Cashmore and \*Lough and Moore, equal; \*Cunningham, Rickey, \*Ziegler, \*Brunton, \*Elliott, \*Shaw, \*Fraser, Marler; \*Frye and \*Mills, equal. *Prizes:*—Campbell (R. P.), Ross (Elizabeth).

## EUROPEAN HISTORY.

B.A. ORDINARY.—*Class I.*—Armstrong, Trenholme, \*Milliken, Mackintosh, Fourney, Hickson, Symmes, Cameron (S.). *Class II.*—Craig, Hanson, Travis; Hopkins and McNaughton and Tooke, equal; Weir. *Class III.*—Dyer, Ellicott, McCoy.

## ENGLISH LITERATURE AND RHETORIC.

THIRD YEAR.—*Class I.*—Smiley (*Prize*), Pitcher (*Prize*); Fraser and Hurst, equal; Campbell and Mitchell, equal; Ferguson; Nicholls and Ross, equal; Botterell. *Class II.*—Vaudry, Paterson, Scrimger, McCuaig. *Class III.*—Gordon, Turner.

## ENGLISH LITERATURE AND EUROPEAN HISTORY.

SECOND YEAR.—*Class I.*—Saxe and Young, equal, (*Prizes*); McMaster, Ker; Campbell (R.P.) and Holden and Smith and Wyman (H. B.), equal; Macfarlane; Galt and Watters, equal; Mackay (M.) and Ross (E.) and Willis, equal; Browne and MacMillan and Mallinson, equal; McLeod, \*Paterson, Walbridge, Howard; \*Crozier and McLean and \*Warren, equal. *Class II.*—Armstrong and Russel, equal; Hinds and Ives and Wyman (D.B.), equal; Cameron (M.T.) and \*Cunningham and Rowat, equal; Marler; Doull and Ross (A.R.), equal; Boyce and Douglas equal; Campbell (E.M.), Trenholme, Pinder, Stephen, Steacy. *Class III.*—\*Fraser and Larmonth, equal; Johnston, Moore; \*Ferguson and \*Hill and Stevenson, equal; Rickey, \*Brunton, \*Shaw (E. J.).

## ENGLISH LITERATURE AND HISTORY.

FIRST YEAR.—*Class I.*—Carr and Walker, equal (*Prizes*); Burke-Wright; Dutton and Jordan, equal; Thompson (J. R.), Ross (A. B.) and \*Stephens, equal; \*Lewis and Prudham, equal; Costigan and Coussirat and Ryckman, equal; Brooks and \*Carmichael and \*Grace and Heine and Maclaren, equal; Luttrell and Paterson (R.C.), equal. *Class II.*—Cameron (A. G.) and Colby and Paterson (E. R.) and Ross (W. W.), equal; Cowan and Harding and Meyer, equal; Heeney and Ship, equal; Gilday and Kneen and Leet and Mackedie and Turner (H. H.), equal;

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Cameron (F.) and \*Mair and Vineberg, equal; Burke and Dalgleish and Moore and Thomas, equal; Duff and Gardner, equal; Thompson (J.E.), McGregor, Haughton, \*Bradshaw; Campbell and Shaw, equal; Codd and Dover, equal; Leney, Bishop; Bates and McConnell and Reid equal. *Class III.*—Turner (W.D.); \*Alexander and Pearson, equal; \*Tarlton, \*Steen, \*McLeod (L.) and Tighe, equal; Brodie; \*McGuire and \*Todd, equal; McLeod (H.), \*Saxe.

HONOUR EXAMINATION IN ENGLISH LANGUAGE, LITERATURE AND HISTORY.

B.A.—*First Rank Honours and Shakspeare Gold Medal.*—Cameron (Susan E.)

*First Rank Honours.*—Trenholme (Norman McL.)

THIRD YEAR.—*First Rank Honours.*—Smiley (F. C.), (*Prize.*); Campbell (G.), Fraser (H. Alice), Mitchell (Katherine), Nicholls (Amy) and Hurst (Ethel), equal; Pitcher (Winona), Botterell (Florence).

*Second Rank Honours.*—None.

MECHANICS AND HYDROSTATICS.

B.A. ORDINARY.—*Class I.*—Dyer, Craig; McIntosh and Rogers and Whiteaves, equal. *Class II.*—Hanson, Smyth, Symmes. *Class III.*—Hickson, LeRoy, Hopkins, Fourney, McNaughton; Armstrong (E.) and Armstrong (E. N.) and McCoy, equal; Tooke.

THIRD YEAR.—*Class I.*—Robertson, Scott, Molson; Hutchinson and Ross (H.), equal. *Class II.*—Gordon, Watson, Fraser, Paterson. *Class III.*—Pollock, Browne; Howell and St. James, equal; McWilliam; Chalmers and Cushing and Turner and Vaudry, equal; McCuaig, McMartin, Denoon, Macphail.

ASTRONOMY AND OPTICS.

B.A. ORDINARY.—*Class I.*—Howard, Dyer, Craig, Smyth, Symmes. *Class II.*—Fourney, McIntosh, Hanson, Crombie, McCoy. *Class III.*—Hickson, Armstrong (E. N.); Hopkins and McNaughton, equal.

THIRD YEAR.—*Class I.*—Robertson, Ross, Molson, Hutchinson. *Class II.*—Paterson. *Class III.*—Howell, McMartin.

EXPERIMENTAL PHYSICS.

B.A. ORDINARY.—*Class I.*—Howard.

THIRD YEAR.—*Class I.*—Robertson. *Class II.*—Howell, Hutchinson.

GEOMETRY AND ARITHMETIC.

SECOND YEAR.—*Class I.*—Mackay (M.), Cameron, Campbell (R. P.), Holden Steacy, McLean, Wyman (D. B.), Walbridge, Saxe. *Class II.*—Campbell (E. M.) and Russell, equal; Ross (E.); Browne and McLeod and Ross

(H. R.), equal; Boyce, Wyman (H. B.), Macfarlane, Stevenson, Ker.  
*Class III.*—Howard and Marler, equal; Smith and Young, equal;  
 Rowat, Galt, Doull, Watters; Trenholme and Willis, equal; Ives and  
 Hinds, equal; Moore and Pinder, equal; McMillan; Douglas and Mallin-  
 son, equal; Cunningham, Rickey; Armstrong and Johnston, equal.

FIRST YEAR.—*Class I.*—Gilday, Brooks, Duff; Gardner and Leney and Turner  
 (H.), equal; Heine and MacLaren and Paterson (R. C.) and Prudham,  
 equal; Bates; Shaw and Walker, equal. *Class II.*—Vineberg and Bro-  
 die, equal; Meyer, Dalgleish, Mackenzie, Jordan, McGregor and Turner  
 (W.) and Todd, equal; Thompson (J. R.), Dover, Tarlton, Carr, Cameron.  
*Class III.*—Bishop; Paterson (E. R.) and Moore and Ryckman, equal;  
 Costigan; Campbell and Evans and McConnell, equal; Thomas and  
 Cowan, equal; Bourke-Wright, Ross (Wm.), Thompson (J. Edmund);  
 Heeney and Ship, equal; Leet and Saxe and Cameron, equal; Lutterell  
 and Stephens and Codd, equal; Ross (A. B.); Colby and Reid, equal;  
 Kneen, MacLeod, Pearson, Dutton.

TRIGONOMETRY AND ALGEBRA.

SECOND YEAR.—*Class I.*—Saxe, Cameron, Ross (E.), Brown, Boyce, Ives. *Class*  
*II.*—Campbell (E. M.) and Macfarlane, equal; Steacy, Mallinson; Ross  
 (H. R.) and Holden, equal; Campbell (R. P.) and McLean, equal; John-  
 ston and Mackay (M.), equal; Wyman (D. B.) and Galt, equal. *Class*  
*III.*—Howard and Stevenson, equal; Rowat and Wyman (H. B.), equal;  
 Watters; Douglas and McMillan, equal; Ker and McMaster and Wal-  
 bridge, equal; Young, Russel, Armstrong, Smith, Trenholme, McLeod,  
 Doull, Hinds, Moore, Cunningham, Marler.

FIRST YEAR.—*Class I.*—Paterson (R. C.) and Turner, equal; Carr, Mackenzie,  
 Thompson (J. R.), Turner (H. H.), Evans, Heine, Leney; Duff and  
 Gardner, equal; Jordan; Brooks and Gilday and McGregor, equal;  
 Dalgleish. *Class II.*—Bates; Codd and Paterson (E. R.), equal;  
 Cowan, Bishop, Cameron (A. G.); Myer and Thompson (J. E.), equal;  
 Bourke-Wright, Prudham; Brodie and MacLaren and Saxe and Walker,  
 equal; Costigan and Kneen, equal. *Class III.*—Campbell, Ross (H. B.);  
 McLeod (H. S.) and Todd, equal; Ryckman, Shaw; Leet and Ross  
 (W. W.), equal; Thomas and Vineberg, equal; Colby; Grace and Tar-  
 leton, equal; Cameron (M. T.) and McConnell and Moore, equal; Dover,  
 Luttrell; Pearson and Stephens, equal; Dutton, Heeney, Reid.

HONOUR EXAMINATION IN MATHEMATICS AND NATURAL PHILOSOPHY.

B.A.—*First Rank.*—Howard, Ann Molson Gold Medal.

THIRD YEAR.—*First Rank.*—Robertson (*Prize*), Hutchison (*Prize*).

SECOND YEAR.—*First Rank.*—Cameron (Mary T.) (*Prize*), Mackay (Malcolm)  
 (*Prize*).

FIRST YEAR.—*First Rank.*—Brooks (*Prize*), Thompson (J. Richard), *Prize*;  
 Gardner (*Prize*); Dalgleish (*Prize*).—*Second Rank.*—Bishop.

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## FRENCH.

FOURTH YEAR.—*Class I.*—Levy, Wilson, Johnson, Armstrong, (E.) Fourney.  
*Class II.*—Smyth, Tooke; Armstrong (E. N.) and Whiteaves, equal.

THIRD YEAR.—*Class I.*—St. James, Scott, Saunders, Locke; Fraser and Molson, equal; Vaudry, McMartin, Patterson. *Class II.*—Ross, Pollock, Watson, Mitchell, McCuaig, Scrimger, Denoon, Brown. *Class III.*—Chalmers.

SECOND YEAR.—*Class I.*—Young (*Prize*), Walbridge; Smith and Wyman (H. B.) (*Prize*), equal; Howard and Hinds and Rowat, equal; Browne, MacMillan; Cameron and Macfarlane, equal. *Class II.*—Galt and Holden and Ker, equal; Doull, Campbell (R.); Ross (Alex.) and Ross (Elizabeth), equal. *Class III.*—Mackay (Malcolm); MacMaster and Watters, equal; Ives, Campbell (E. M.), Saxe, Trenholme, Armstrong (Alex.); Pender and Rickey, equal; Cunningham and Marler and Stevenson, equal; Russel.

FIRST YEAR.—*Class I.*—Paterson (E. R.) (*Prize*), Carr (*Prize*), Colby (*Prize*), Cameron (F.) Bourke-Wright, Pearson, Leney, Thompson, Brooks; Cowan and Kneru, equal; Costigan and Walker, equal. *Class II.*—Dalglish, Shaw, Brodie, Coussirat, Maclaren, Reid; Ross and Ship, equal; Duff and Paterson (R. C.), equal; Ryckman, Gardner; Leet and Luttrell, equal; Vineberg; Codd and Gilday, equal. *Class III.*—Jordan, Heine, Heene; Campbell and Todd, equal; Tarlton; Bishop and Evans, equal; Dover; McConnell and McGregor, equal; MacLeod and Stephens, equal; Tighe, Thomas, Steen, Burke.

## GERMAN.

FIRST YEAR.—*Class I.*—\*Grace, Cameron (F.M.) (*Prize*), Thomson; Brooks and Pearson equal; Bates. *Class II.*—Gordon, Walker, Ryckmann, Codd. *Class III.*—Brodie, Cameron (A. G.), Dover.

SECOND YEAR.—*Class I.*—Cameron (*Prize*), Holden, Young, Galt, Ross. *Class II.*—Willis, Walbridge, Stephen. *Class III.*—Pinder and \*Johnson, equal; \*Hill.

THIRD YEAR.—*Class I.*—Locke (*Prize*), Hammond, Nichols; Denoon and McWilliam equal. *Class II.*—Hurst, McCuaig, Pitcher, Hutchinson, Macphail.

FOURTH YEAR.—*Class I.*—Levy, Wilson, Whiteaves, \*Johnson.

## HEBREW.

B. A. ORDINARY.—*Class I.*—Keith. *Class II.*—Farnsworth (B.A.). *Class III.*—Weir (G.), Young (H.), Young (S.).

THIRD YEAR.—*Class I.*—Robertson (J. C.) (*Prize*), Coburn, Lennon. *Class II.*—\*Milliken. *Class III.*—Watt (J. C.), \*Humphrey, Ashdown, Jamieson, Extence.

SECOND YEAR.—*Class I.*—Wyman (D. B.) (*Prize*), Boyce, \*Belton. *Class II.*—\*Brace and \*Genova, equal; Mallinson, \*McLeod (D. M.), \*Eagleson. *Class III.*—\*Smith (W. A.), \*Ziegler, McLean (S.), \*Graham (D. J.); Watt (R. G.) and \*Pollock, equal; Fraser; Gilmour and \*Wilson, equal; \*Leitch (Hugh) and \*Horsey, equal; Steacy and Douglas, equal; \*Menançon and \*Leitch (F.A.) and Campbell (G. S.), equal; \*Kelly and \*Murray (H. T.) and \*Shaw, equal.

FIRST YEAR.—*Class I.*—\*Grace, Turner (H. H.) (*Prize*), Meyer, Prudham, Bates Turner (W. D.); \*Lough and Reid (L. W.), equal; \*Alexander. *Class II.*—Curdy, \*Johnston, \*Smith (G. T.), Moore, \*Abram, \*Bradshaw. *Class III.*—\*Lewis (R. H.) and Haughton, equal; McGerrigle (B. A.), Pocock, Dutton, \*Akitt; Ross (A. B.) and \*Crombie (G. L.), equal; \*Harding, \*Smythe, (T. A.), \*McGuire, \*Leith.

## GEOLOGY AND MINERALOGY.

*Ordinary Course, Fourth Year Arts.*

B.A. ORDINARY.—*Class I.*—Watson; Armstrong and Sutherland, equal; LeRoy, Radford, Whiteaves; McIntosh (M.) and McNaughton, equal; \*McEwan, Symmes. *Class II.*—\*Milliken, Wallace, Tooke, \*Humphrey; Weir and \*Brown, equal; \*Seller; \*Leitch and Dyer, equal; Graham, \*(D. J.); Young and \*Jamieson and \*Keeter, equal. *Class III.*—Ellicott, MacCuaig, \*Wilson.

## ZOOLOGY.

*Class I.*—Scott (*Prize*), Hammond (*Prize*), Henderson, Fraser, Ross, Chalmers, Paterson, Nicholls, St. James, Pollock. *Class II.*—Brown; Lennon and Pitcher, equal; Ferguson, McCuaig, Botterell, Campbell, Locke, Saunders, Mitchell, Gordon. *Class III.*—Coburn, Turner, Smiley; Scrimger and Vaudry, equal; Watt, Hurst, Denoon, Ashdown, \*Reid, Watson, \*Jamieson, Macphail.

FOURTH YEAR.—*Class I.*—Pattison.

## BOTANY.

SECOND YEAR.—*Class I.*—MacMillan (*Prize*), McLeod, Smith (*Prize*), Young, Armstrong; Ross and Saxe, equal; Watters, Mallinson, Holden; Campbell R. P.) and Wyman (H. B.), equal; Wyman (D. B.) Galt and Howard equal; Campbell (E. M.); Doull and Hinds and Stevenson, equal. *Class II.*—Willis; Browne and Moore, equal; Douglas, MacMaster; Walbridge and Ker and Macfarlane, equal; Ives, Boyce; Pinder and Steacy, equal; Rowat. *Class III.*—Cunningham, Johnston, Marler, McLean, Rickey, Ross, Russell, Stephen, Trenholme

## CHEMISTRY.

FIRST YEAR.—*Class I.*—Paterson (E. R.) (*Prize*), Paterson (R. C.); Bourke-Wright (*Prize*) and Kneen (*Prize*), equal; Brace and Heine, equal; Turner (W. D.). *Class II.*—Prudham; Brooks and Turner (H. H.) and Walker, equal; Leney; Carr and Costigan and Dalgleish and Duff and Meyer, equal; Bates, Grace\* Eagleson; Jordan and Thompson (J. R.) and MacLaren, equal. *Class III.*—\*Smith (G. E), Leet; Codd and Ryckman, equal; McGregor and Vineberg, equal; Brodie and Cowan, equal; Campbell, Colby; Bishop and Gilday and Ross (W. W.), equal; Reid; \*Belton and \*Smythe and Steen, equal; Stephens; Cameron and Gardner and Tarlton, equal; \*Smith (W. A.); Pearson and Thompson (J. E.) and Shaw, equal; \*Leitch, Mackedie, Thomas; \*Saxe and Ross (A. B.), equal; Moore.

## PHYSICAL CULTURE.

ARCHIBALD, HARRY P. (Fac. App. Sc.), Bronze Medal.

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## HONOURABLE MENTION.

FOURTH YEAR—YOUNG, HENRY.

J. M. WALLACE.

DONALDA PRIZES FOR PHYSICAL CULTURE

*Graduating Class.*—TRAVIS, KATHARINE.*Undergraduates.*—BROWN, JUSTINE.

## PRIZES FOR ELOCUTION.

HEINE, C. M.

COWAN, JEAN P.

## ST. FRANCIS COLLEGE.

## INTERMEDIATE.

GREEK.—*Class I.*—None. *Class II.*—Pope. *Class III.*—McBurney, Crack, Watson.LATIN.—*Class I.*—None. *Class II.*—Pope. *Class III.*—Crack and McBurney, equal; Watson.LATIN PROSE COMPOSITION.—*Class I.*—None. *Class II.*—Pope.—*Class III.*—McBurney, Watson, Crack.TRIGONOMETRY AND ALGEBRA.—*Class I.*—Pope. *Class II.*—Crack, McBurney, Watson. *Class III.*—Fwing, Cairnie.GEOMETRY AND ARITHMETIC.—*Class I.*—Pope. *Class II.*—Crack, McBurney, Ewing. *Class III.*—WatsonLOGIC.—*Class I.*—Pope. *Class II.*—McBurney, Ewing. *Class III.*—Cairnie and Crack, equal.ENGLISH LITERATURE AND HISTORY.—*Class I.*—Pope. *Class II.*—McBurney. *Class III.*—Ewing.FRENCH.—*Class I.*—McBurney. *Class II.*—Pope, Ewing, Crack. *Class III.*—Watson

## STANSTEAD WESLEYAN COLLEGE.

## INTERMEDIATE.

GREEK.—*Class III.*—Nunns, Du Boyce.LATIN.—*Class III.*—Terrill, Du Boyce.LATIN PROSE COMPOSITION.—*Class III.*—Terrill, Du Boyce.TRIGONOMETRY AND ALGEBRA.—*Class II.*—Nunns. *Class III.*—Terrill, Du Boyce.GEOMETRY AND ARITHMETIC.—*Class III.*—Nunns, Terrill, Du Boyce.LOGIC.—*Class III.*—Du Boyce.ENGLISH LITERATURE AND HISTORY.—*Class III.*—Nunns.FRENCH.—*Class III.*—Terrill, Nunns, Du Boyce.GERMAN.—*Class II.*—Terrill.

## FIRST YEAR.

GREEK.—None.

LATIN.—*Class III.*—Van Vliet.TRIGONOMETRY AND ALGEBRA.—*Class III.*—Place, Van Vliet.GEOMETRY AND ARITHMETIC.—*Class III.*—Place, Van Vliet.ENGLISH LITERATURE AND HISTORY.—*Class I.*—Place. *Class II.*—Van Vliet.GERMAN.—*Class II.*—Van Vliet.ANCIENT HISTORY.—*Class II.*—Place. *Class III.*—Van Vliet.FRENCH.—*Class II.*—Place. Van Vliet

## FACULTY OF APPLIED SCIENCE.

## GRADUATING CLASS.

- BECKET, FREDERICK MARK.—Honours in Thermodynamics.
- CARTER, WILLIAM FREDERICK.—British Association Prize ; Prize for original research, presented by P. A. Peterson, Esq.; Honours in Hydraulics and Theory of Structures.
- CURRIE, WILLIAM.—British Association Prize ; Honours in Dynamics of Machinery Hydraulics, Machine Design and Thermodynamics.
- DOBSON, GILBERT SHERWOOD.—Prize for original research, presented by P. A. Peterson, Esq.; Honours in Theory of Structures.
- DOUGALL, WILFRID.—Prize for original research, presented by P. A. Peterson, Esq.
- GWILLIM, JOHN COLE.—Prize for Summer Essay (\$25); Honours in Designing ; First Rank Honours in Natural Science.
- HART, OROBIO CHANDLER.—Governor General's Medal: Honours in Hydraulics, Metallurgy and Designing ; First Rank Honours in Natural Science.
- KING, ROBERT OWEN.—British Association Gold Medal ; Honours in Dynamics of Machinery, Electrical Engineering, Machine Design, Thermodynamics, Designing and Physics.
- MCDUGALL, GEORGE DEWAR.—Honours in Hydraulics.
- MCDUNNOUGH, RALPH BAYLIS.—Honours in Dynamics of Machinery.
- PRIMROSE, JOHN.—Honours in Hydraulics.
- SCAMMELL, JOHN KIMBALL.—Prize for original research, presented by P. A. Peterson, Esq.

## THIRD YEAR.

- Archibald, William M.—Prize for Surveying Field Work.
- Chase, Harry A.—Scott Exhibition of \$60.00; Prizes for Mathematics and Mechanical Drawing.
- Courtice, Francis E.—Prize for Dynamics of Machinery.
- Denis, Théo.—Prize in Surveying Field Work.
- Gill, James L. W.—Prizes for Physics, Theory of Structures and Work in Testing Laboratory.
- Green, Joseph S. R.—Prize for Practical Chemistry.
- Huestis, Harry B.—Prize for Work in Cement Laboratory.
- Hunter, John W.—Prize for Shopwork.
- Jaquays, Homer M.—Prize for Work in Testing Laboratory.
- Johnson, William S.—Prize for Practical Chemistry.
- Killaly, Hamilton M.—Prizes for Railway Engineering, Surveying Field Work and Work in Cement Laboratory.
- McCallum, Arthur.—Prize for Practical Chemistry.
- Mussen, Horace W.—Prize for Mining.
- Reinhardt, Carl.—Prize for Mapping.
- Rutherford, Forrest.—Prize for Mining Drawing.
- Stewart, Robert H.—Prizes for Geology and Mineralogy and Surveying.
- Wright, Charles H.—Prizes for Machine Design, Physics and Work in Electrical Laboratory.

Angel, Fr  
Burnham,  
MacKinn  
MacLeod,  
Stovel, R  
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*Passed the Sessional Examinations.*

## CIVIL ENGINEERING.

Hare, George G., St. John, N.B.  
 Reinhardt, Carl, Montreal.  
 Killaly, Hamilton M., B.A., Morrisburg, Ont.  
 Huestis, Harry B., Halifax, N.S.  
 \*Denis, Théophile, Montreal.  
 Dufresne, Alexander R., Ottawa, Ont.  
 Ogilvie, William M., Cumming's Bridge, Ont.

## ELECTRICAL ENGINEERING.

Chase, Harry A., Kentville, N.S.  
 Wright, Charles H., Renfrew, Ont.  
 Jaquays, Homer M., B.A., Montreal.  
 Johnson, Edward P., Ottawa, Ont.  
 \*Trenholme, Henry R., Montreal Junction, Que.

## MECHANICAL ENGINEERING.

Gill, James L. W., Little York, P.E.I.  
 Hunter, John W., Kingston, Ont.  
 Courtice, Francis E., Port Perry, Ont.  
 Clarke, Ernest R., Stratford, Ont.  
 McDougall, William, Ormstown, Que. } equal.  
 Kenny, Thomas F., Ottawa, Ont. }  
 Walkem, George A., Kingston, Ont.  
 \*Small, Albert E., Montreal.  
 Bayfield, Henry A., Charlottetown, P.E.I.

## MINING ENGINEERING.

Stewart, Robert H., Montreal.  
 Green, Joseph S. R., Montreal.  
 Mussen, Horace W., Aurora, Ont.  
 Archibald, William M., Truro, N.S.  
 Webb, William M., Petrolea, Ont.  
 Rutherford, Forrest, Montreal.

## PRACTICAL CHEMISTRY.

McCallum, Arthur, Maxwell, O.  
 Johnson, William S., Clapham, Que.

## SECOND YEAR.

Angel, Frederick W.—Prizes for Mapping and Surveying Field Work.  
 Burnham, Harold B.—Prize for German.  
 MacKinnon, George D.—Prize for Shopwork.  
 MacLeod, George R.—Prizes for French, Mapping and Surveying.  
 Stovel, Russell W.—Prize for Entrance Examination; Prizes for Mathematics,  
 Physics and Descriptive Geometry.

\* To pass supplemental examination.

Suter, Robert W.—Prize for Work in Chemical Laboratory.  
 Thomson, Clarence.—Prize for Entrance Examination.  
 Thomson, Henry N.—Prize for Surveying Field Work.  
 Turnbull, John M.—Prize for Work in Chemical Laboratory.

*Passed the Sessional Examinations.*

CIVIL ENGINEERING.

MacLeod, George R., Uigg, P.E.I.  
 \*Newcombe, Avarad B., Lakeville, N.S.

ELECTRICAL AND MECHANICAL ENGINEERING.

Stovel, Russell W., Toronto, Ont.  
 MacKinnon, George D., Charlottetown, P.E.I.  
 Thomson, Clarence, Montreal.  
 Davidson, Shirley, Montreal.  
 Connal, William F., Peterboro, Ont.  
 Burnham, Harold B., Peterboro, Ont. } equal.  
 \*Guthrie, Norman G., Guelph, Ont. }  
 Macdonald, Peter W., West Bay, N.S.  
 Travis, Berton C., Hampton, N.B.  
 \*Macdonald, James E., New Glasgow, N.S.  
 Walters, Morley, Hull, Que. } equal.  
 \*Macbean, Stanley L., Montreal. }  
 Balfour, Reginald H., Montreal. }  
 Mackie, James D., Kingston Station, Ont.  
 \*Ross, John K., Montreal. } equal.  
 Thompson, Frederick W., Coaticooke, Que. }  
 \*Beatty, David H., Sarnia, Ont. } equal.  
 Ferguson, Thomas, Peterboro, Ont. }  
 \*Blair, David E., Chicoutimi, Que. } equal.  
 \*Edward, John R., Outremont, Que. }  
 \*Symmes, Howard C., Aylmer, Que.  
 \*Pitcher, Norman C., Montreal. } equal.  
 \*Staples, Clark, Balsam Lake, Ont. }  
 \*Puckard, Frank L., Montreal. } equal.  
 \*McKibbin, Frederick W. J., Peterboro, Ont. }  
 \*Gottsberger, James B., Brooklyn, N.Y., U.S.A.  
 \*Drinkwater, Charles G., Montreal.  
 Sise, Charles F., Montreal.  
 \*Haycock, Richard L., Ottawa, Ont.  
 \*Bovey, Edward P., Torquay, Devon, England.

MINING ENGINEERING.

Turnbull, John M., Montreal.  
 Thomson, Henry N., Quebec.  
 Angel, Frederick W., St. John's, Newfoundland.  
 \*Bell, John W., Montreal.  
 Dougall, Ralph, Montreal.  
 \*Hillary, George M., Whitby, Ont.

\* To pass supplemental examination.

Davis, An  
 Laurie, Al  
 Maciennar  
 Macphail,  
 McCarthy,  
 Patton, JW  
 Sheffield, C  
 istry.

## PRACTICAL CHEMISTRY.

Suter, Robert W., Carleton Place, Ont.

## FIRST YEAR.

- Davis, Angus W.—Prizes for Mathematics, Freehand Drawing and Mapping.  
 Laurie, Albert.—Prizes for Descriptive Geometry and Mathematical Laboratory.  
 MacIennan, Frank W.—Prize for Freehand Drawing.  
 Macphail, William M.—Prizes for English and German; 1st Fleet Workshop Prize.  
 McCarthy, George A.—Prize for Mapping.  
 Patton, William H.—2nd Fleet Workshop Prize.  
 Sheffield, Charles.—Prizes for Chemistry, English, French and Practical Chemistry.

*Passed the Sessional Examinations.*

(In Order of merit.)

- |  |          |
|--|----------|
| Laurie, Albert, Montreal.                        | } equal. |
| Macphail, William M., Orwell, P.E.I.             |          |
| Eaves, Edmund, Montreal,                         | } equal. |
| McCarthy, George A., Moncton, N.B.               |          |
| Sheffield, Charles, Kingston, Ont.               | } equal. |
| MacLean, Thomas A., Charlottetown, P.E.I.        |          |
| Davis, Angus W., Montreal.                       |          |
| Cape, Edmund, Hamilton, Ont.                     |          |
| Irving, Thomas T., Vernon River Bridge, P.E.I.   |          |
| Dean, Bertram D., Hamilton, Ont.                 |          |
| Matheson, Ernest G., Oyster River Bridge, P.E.I. |          |
| Thomas, Leonard E. L., Melbourne, Que.           |          |
| Atkinson, Donald C. T., Etchemin, Que.           | } equal. |
| Waterous, Charles A., Brantford, Ont.            |          |
| Butler, Percy, Montreal.                         |          |
| MacIennan, Frank W., Cornwall, Ont.              | } equal. |
| Ainley, Charles M., Almonte, Ont.                |          |
| Young, George A., Kingston, Ont.                 |          |
| Atkinson, W. J., Glenboro, Man.                  | } equal. |
| Archibald, Harry P., Antigonish, N.S.            |          |
| Reaves Campbell, Montreal.                       |          |
| Davidson, James H., Montreal.                    | } equal. |
| McRae, John B., Ottawa, Ont.                     |          |
| McLea, Ernest H., Montreal.                      |          |
| *Patton, W. H., Huntingdon, Que.                 | } equal. |
| Bond, Frank L. C., Montreal.                     |          |
| Bacon, Frederick T. H., Montreal.                |          |
| Bachand, George, Montreal.                       |          |
| Benny, Walter W., D'Aillebout, Que.              |          |
| *Mackerras, John D., Kingston, Ont.              |          |
| Mitchell, Norman S., Montreal.                   |          |
| Scott, James H., Outremont, Que.                 |          |

\* To pass supplemental examination.

- \*Garrett, George W. S., Ottawa, Ont.  
 \*MacKenzie, Malcolm, Sarnia, Ont.  
 \*Mitchell, Norman C., Halifax, N.S.  
 \*Ewan, Herbert M., Montreal.  
 \*Rea, Kenneth, Lachine, Que.  
 \*Collins, Charles D., Peterborough, Ont.  
 Lamoureux, Joseph A., St. Sebastian, Que.

\* To pass Supplemental Examination.

### STANDING IN THE SEVERAL SUBJECTS.

#### ENGLISH COMPOSITION (ESSAYS).

FIRST YEAR.—*Class I.*—Macphail and Sheffield, equal ; MacLean ; Matheson and McCarthy, equal ; Laurie, Irving ; McRae and Willard, equal ; Bond Davidson (J. H.), Granger, Butler. *Class II.*—Bacon and Davis, equal ; Eaves and Waterous, equal ; Cape and MacLennan and Mitchell (N. C.), equal ; Atkinson (W. J.), Benny ; Mackerras and Rea, equal ; Macdonald (R. E.) ; Larmonth and Mitchell (N. S.) equal ; Ainley ; Aylmer and Collins, equal ; Dean and Mackenzie, equal ; Gisborne ; MacKeen and Patton, equal ; Thomas and Young, equal ; Hawker, Reaves, Corriveau. *Class III.*—Ewan, Grant, Atkinson (D. C. T.), Lamoureux, Sise (E. J.), McLea, Kane, Scott (J. H.), Pender, Garrett, Bachand, Lacroix, Porcheron.

#### FRENCH.

SECOND YEAR.—*Class I.*—MacLeod, Thomson (C.), Stovel, Thomson (H. N.), Connal, Davidson (S.), McKinnon, Turnbull ; Edward and Mackie and Packard, equal ; Bell (J. W.). *Class II.*—Ross ; Balfour and Chamberlain, equal ; Sise (C. F.), Macdonald (P. W.), Newcombe. *Class III.*—Blair, Pitcher ; Drinkwater and Symmes, equal ; Macbean, Thompson (F. W.), McKibbin.

FIRST YEAR.—*Class I.*—Sheffield, Eaves, Laurie, Lacroix, Butler, Davis, Summa. *Class II.*—Dean, Thomas, Matheson, McCarthy, MacLean ; Cape and Corriveau and Waterous, equal. *Class III.*—Bacon, Bond, Atkinson (W. J.), Mitchell (N. S.), Reaves, MacLennan, Scott (J. H.).

#### GERMAN.

SECOND YEAR.—*Class I.*—Guthrie, Burnham, Macdonald (J. E.), Campbell. *Class II.*—Staples ; Beatty and Suter, equal ; Travis. *Class III.*—Finnie, Hillary, Dougall (R.), Angel, Walters, Yorston ; Bovey and Haycock, equal.

FIRST YEAR.—*Class I.*—Macphail, Irving. *Class II.*—Atkinson (D. T.) and Archibald (H. P.), equal ; Davidson (J. H.), Ainley. *Class III.*—MacKeen, Mackenzie, McLea, Mitchell (N. C.), Young, McRae, Collins.

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## MATHEMATICS.

THIRD YEAR.—*Class I.*—Chase, Stewart, Gill, Courtice. *Class II.*—Hunter, Green, Hare, Wright, Clarke, Huestis, Archibald (W. M.), Kenny. *Class III.*—Walkem, Mussen, Jaquays, Johnson (E. P.), McDougall (W.), Reinhardt and Trenholme, equal; \*Bayfield, Smaill, \*Ogilvie, Rutherford (S. F.); Dufresne and Killaly, equal.

SECOND YEAR.—*Class I.*—Stovel, MacKinnon, Connal, Thomson (C.). *Class II.*—Turnbull, Burnham, Thomson (H. N.), Ross, Davidson (S.), Macdonald (P. W.), Walters; Angel and Macdonald (J. E.), equal; Travis, Macbean Ferguson, Macleod, Guthrie. *Class III.*—Dougall (R.), Edward, Bell (J. W.), McKibbin; Balfour and Mackie, equal, Gottsberger, Packard, Blair, Beatty, Sise (C. F.); Bell (R. A. S.) and Pitcher, equal; \*Kennedy, †Thompson (F. W.), \*Drinkwater.

FIRST YEAR.—*Class I.*—Davis, Laurie; Cape and Eaves, equal; Macphail; Irving and MacLean, equal; McCarthy, Sheffield, Thomas, Dean. *Class II.*—Matheson, MacLennan, Waterous, Young; Ainley and Ewan, equal; Bachand and McLea and Reaves, equal; Butler, Atkinson (D. C. T.), Davidson (J. H.), Bond. *Class III.*—Mackerras; Archibald (H. P.) and Atkinson (W. J.), equal; Benny, Patton, Bacon, McRae, \*Mackenzie, Mitchell (N. C.); Mitchell (N. S.) and Scott, equal; Garrett.

\*To pass supplemental in Mechanics.

†To pass supplemental in calculus.

PHYSICS (*Theoretical and Practical*).

THIRD YEAR.—(*Elect. Eng. Course*).—*Class I.*—Wright, Chase, Jaquays. *Class II.*—Johnson (E. P.). *Class III.*—Trenholme, Rutherford (S. F.).

THIRD YEAR.—(*Civil, Mech. and Mining Courses*).—*Class I.*—Gill, Kenny, Green, Hare and Stewart, equal. *Class II.*—Courtice, Webb, Clarke; Killaly and McDougall (W.), equal; Smaill, Bayfield; Huestis and Rutherford (F.), equal; Archibald (W. M.); Denis and Hunter, equal; McCallum. *Class III.*—Mussen; Dufresne and Johnson (W. S.); equal; Reinhardt, Walkem, Ogilvie, Rutherford (G. S.).

SECOND YEAR.—*Class I.*—Stovel, MacKinnon, Thomson (C.), Guthrie, Thomson (H. N.), Pitcher, Turnbull, Davidson (S.), Burnham, Symmes; MacLeod and Staples, equal; Archibald (H. P.) and Connal, equal. *Class II.*—Gottsberger, Macbean, Angel, Walters, Bell (J. W.), Suter, Campbell, Blair, Macdonald (P. W.); Newcombe and Travis, equal; Ferguson; Balfour and Macdonald (J. E.), equal; Mackie and Packard and Thompson (F. W.), equal; Paradis, Sise (C. F.). *Class III.*—Drinkwater, Haycock, McKibbin; Bell (R. A. S.) and Chamberlain, equal; Dougall (R.); Finnie, Wilkinson, Yorston, \*Simpson, \*Beatty, \*Hillary; \*Edwards and \*Kennedy, equal; Ross, \*Bovey.

\*Supplemental in Paper.

PHYSICS (*Laboratory*).

FOURTH YEAR.—*Class I.*—King. *Class II.*—McDunnough, Becket. *Class III.*—Holden and Mudge, equal; Scott (A.).

## SUMMER ESSAYS.

THIRD AND FOURTH YEARS.—*Class I.*—Gwillim (*Gold-bearing Formations of N. W. Ontario*); Archibald (W. M.) (*Notes on the Waverley Gold District*) and Van Barneveld (*Vale Sections of the Pictou Coal-Field*), equal. *Class II.*—Boright (*The Transmission of Power by Compressed Air*) and Mus- sen (*Life in the Laurentides*), equal; Hunter (*Boilers and Engines for Steam Yachts*); Denis (*An Inter-oceanic Canal*) and Greig (*Injectors*) and Huestis (*A Summer on Location in Newfoundland*), and McCallum (*Colour-Making*), equal; Scammell (*Dry Rot in Timber and its Preven- tion*); Chase (*The Station and Plant of the Kentville Electric Light and Power Company*) and Wright (*Three Wire Secondary Distribution*), equal. *Class III.*—Clarke (*Locomotive Repair*) and Griffin (*Timber*), equal.

## BOTANY.

SECOND YEAR.—*Class I.*—None. *Class II.*—Johnson (W. S.), Suter.

## CHEMISTRY.

THIRD YEAR.—*Class I.*—McCallum, Johnson (W. S.).

SECOND YEAR.—*Class I.*—None. *Class II.*—Suter.

FIRST YEAR.—*Class I.*—Sheffield, Macphail; Laurie and McCarthy, equal; Eaves, Matheson, Cape, Irving. *Class II.*—MacLean, Willard; Bachand and Dean, equal; Thomas, Atkinson (D. C. T.); Ainley and Butler, equal; Bacon; Benny and MacKeen, equal; Davidson (J. H.) and Waterous, equal; Bond and Young, equal. *Class III.*—Atkinson (W. J.) and Davis, equal; McLea, Rea, Reaves, Patton; MacIennan and McLeod (N.), equal; Garrett and Gisborne, equal; Scott (J. H.), Hawker.

## PRACTICAL CHEMISTRY.

THIRD YEAR.—(*Mining Engineering Course*).—*Class I.*—Green; Rutherford (F.) and Webb, equal; Archibald, Stewart. *Class II.*—Mussen. (*Practical Chemistry Course*).—*Class I.*—Johnson (W. S.) and McCallum, equal.

SECOND YEAR.—(*Mining Engineering Course*).—*Class I.*—Turnbull, Thomson (H. N.). *Class II.*—Hillary, Bell (J. W.), Angel. *Class III.*—Dougall (R. (*Practical Chemistry Course*)).—*Class I.*—Suter. (*Electrical and Mechanical Course*). *Class II.*—MacKinnon.

FIRST YEAR.—*Class I.*—Sheffield, Laurie, McCarthy, Davis, Macphail, MacIen- nan, Eaves, Atkinson (D. C. T.); MacLean and Waterous, equal; Cape and Lacroix, equal; Atkinson (W. J.), Dean; Irving and MacKeen and Willard, equal; Ainley; Garrett and Young, equal. *Class II.*— Benny and Davidson (J. H.) and Patton, equal; Bachand, McLeod, McLea, Bacon; Butler and Mackerras, equal; Matheson, Lamoureux, Bond, Thomas. *Class III.*—Collins, Rea; Macdonald (R. E.) and Scott (J. H.), equal; Hawker.

## DETERMINATIVE MINERALOGY.

THIRD YEAR.—*Class I.*—Rutherford (F.), McCallum, Archibald (W. M.), Stewart. *Class II.*—Mussen, Webb. *Class III.*—Green.

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## ZOOLOGY.

SECOND YEAR.—*Class I.*—None. *Class II.*—McCallum, Angel. *Class III.*—Thomson (H. N.), MacLeod (G. R.), Newcombe, Hillary, Dougall (R.) Turnbull.

## GEOLOGY AND MINERALOGY.

THIRD YEAR.—*Class I.*—Stewart, Mussen, Green, Rutherford (F.). *Class II.*—Archibald (W. M.), Webb, Huestis, McCallum, Denis, Ogilvie, Reinhardt. *Class III.*—Hare, Dufresne.

## GEOLOGY (ADVANCED).

FOURTH YEAR.—*Class I.*—Gwillim, Hart. *Class II.*—Askwith, Wilkin, Johnson (W. S.), Van Barneveld.

## MINERALOGY (ADVANCED).

FOURTH YEAR.—*Class I.*—Hart. *Class II.*—Gwillim. *Class III.*—Wilkin, Van Barneveld, Askwith.

## ASSAYING.

FOURTH YEAR.—*Class I.*—Hart, Van Barneveld, Gwillim, Wilkin, Askwith.

## METALLURGY.

FOURTH YEAR.—*Class I.*—Hart, Gwillim. *Class II.*—Van Barneveld, Wilkin. *Class III.*—Askwith.

## SURVEYING AND PRACTICAL ASTRONOMY.

THIRD YEAR. *Class I.*—Stewart. *Class II.*—Hare; Mussen and Green, equal. *Class III.*—Webb, Killaly, Reinhardt, Huestis, Archibald (W. M.); Dufresne and Ogilvie, equal; Denis.

## SURVEYING.

SECOND YEAR.—*Class I.*—MacLeod (G. R.), Bell (R. A. S.), Turnbull, Thomson (H. N.).—*Class II.*—Bell (J. W.), Newcombe, Angel, Kennedy. *Class III.*—Dougall (R.) and Hillary, equal.

## SURVEYING FIELD WORK.

THIRD YEAR.—*Class I.*—Archibald (W. M.) and Denis, equal; Killaly. *Class II.*—Dufresne and Webb, equal; Huestis and Reinhardt, equal; Ogilvie Rutherford (F.), Green, Mussen; Hare and Stewart, equal.

SECOND YEAR.—*Class I.*—Angel and Thompson (F. W.), equal; Macleod (G. R.), Bell (R. A. S.), Kennedy, Turnbull, Newcombe, Hillary. *Class II.*—Bell (J. W.), Dougall (R.).

## GEODESY.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Dobson, Carter; Dougall (W.) and Scammell, equal.

## DESCRIPTIVE GEOMETRY.

THIRD YEAR.—*Class I.*—None. *Class II.*—Killaly, Hare, Reinhardt. Huestis, Ogilvie. *Class III.*—Dufresne, Denis.

SECOND YEAR.—*Class I.*—Stovel, MacKinnon, Macdonald (P. W.). *Class II.*—Thomson (H. N.), Turnbull, Thomson (C.), Davidson (S.), Macleod (G. R.), Angel; Staples and McRae, equal; Beatty, Guthrie. *Class III.*—Macbean, Haycock, Walters; Thompson (F. W.) and Travis, equal; Edward and Ross, equal; Archibald, Bell (R. A. S.), Symmes, Burnham, Newcombe, Balfour, Dougall (R.); Gottsberger and Sise (C. F.), equal; Chamberlain and Connal and Mackie, equal.

FIRST YEAR.—*Class I.*—Laurie, McCarthy; Atkinson (D. C. T.) and MacKerras and Macphail, equal; Sheffield, Patton, Cape, Dean. *Class II.*—Irving; Ainley and Thomas, equal; Eaves, Davis; Bachand and MacLea and MacLean, equal; Benny; MacLennan and Young, equal; Gisborne and McLécd, equal; MacKeen, Lamoureux, Butler, Waterous; Davidson (J. H.) and Matheson, equal; Atkinson (W. J.). *Class III.*—Scott (J. H.); Mitchell (N. S.) and Porcheron, equal; Bond; Garrett and Rea, equal; MacKedie, \*MacKenzie; Ewan and Macdonald (R. E.), equal; Bacon; Willard, Collins, \*Mitchell (N. C.).

\* Supplemental in Projection.

#### FREEHAND DRAWING.

FIRST YEAR.—*Class I.*—Davis and MacLennan, equal; Butler. *Class II.*—MacPhail and Sheffield and Thomas, equal; MacKerras; MacLean and Waterous, equal; Patton and Young, equal; Atkinson (D. C.); Collins and Laurie and McLeod, equal; Ainley and Atkinson (W. J.) and MacKedie and McCarthy, equal; Eaves and Garrett and Irving, equal; Bacon and Dean, equal; Macdonald (R. E.) and Porcheron, equal. *Class III.*—Cape and Willard, equal; Benny and Corriveau and Davidson (J. H.) and Lamoureux and Matheson and Scott (J. H.) and Sise (E. J.), equal; Bond and Rae, equal; McLea; Ewan and MacKenzie and Mitchell (N. C.), equal; Bachand and Kane and Larmonth and MacKeen, equal; Grant and Hawker, equal.

#### MAPPING.

THIRD YEAR.—(*Civil Engineering Course*).—*Class I.*—Reinhardt, Killaly, Dufresne, Hare. *Class II.*—Huestis, Denis, Ogilvie. (*Mining Engineering Course*).—Stewart; Green and Webb, equal. *Class II.*—Archibald (W. M.) and Mussen, equal.

SECOND YEAR.—(*Civil Engineering Course*).—*Class I.*—McLeod (G. R.), Bell (R. A. S.), Newcombe. *Class II.*—Kennedy. (*Mining Engineering Course*).—Angel, Bell (J. W.). *Class II.*—Dougall (R.) and Turnbull, equal; Thompson (F. W.), Hillary.

FIRST YEAR.—*Class I.*—Davis and McCarthy, equal; Butler, McLeod (N.), Collins. *Class II.*—Dean; Sheffield and Thomas, equal; Eaves and Laurie, equal; Ainley; Atkinson (D. C. T.) and Bacon, equal; MacPhail; MacKerras and Young, equal; MacKenzie, MacKeen, MacLean; Matheson and Patton, equal; Atkinson (W. J.), Cape Porcheron and Rea, equal; Bond and Larmonth, equal; Macdonald (R. E.) and Scott (J. H.), equal;

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Garrett, Gisborne, MacKedie; Mitchell (N. S.) and Waterous, equal; Irving and Lamoureux, equal. *Class III.*—Grant; Mitchell (N. C.) and Willard, equal; Benny; Davidson (J. H.) and MacLennan, equal; McLea, Hawker, Ewan, Gillespie; Bachand and Sise (E. J.), equal.

## MECHANICAL DRAWING.

THIRD YEAR.—*Class I.*—Chase, Gill. *Class II.*—Hunter, Jaquays, Smail, Clarke. *Class III.*—Courtice; Walkem and Bayfield, equal; Kenny, McDougall (W.), Wright; Rutherford (G. S.) and Rutherford (S. F.), equal.

SECOND YEAR.—*Class I.*—Stovel, MacKinnon. *Class II.*—Archibald (H. P.), Thompson (F. W.). *Class III.*—Wilkinson, Staples; Beatty and McRae, equal; Haycock, Thomson (C.), Blair; Mackie and Macdonald (P. W.), equal; Burnham; Finnie and Balfour, equal; McKibbin; Travis and Bovey and Sise (C. F.), equal; Ferguson and Davidson (S.), equal; Simpson, Campbell; Macdonald (J. E.) and Connal and Drinkwater, equal; Packard and Edward and Walters, equal.

## MINING DRAWING.

THIRD YEAR.—(*Mining Engineering Course*).—*Class I.*—Rutherford (F.), Green. *Class II.*—Mussen; Stewart and Webb, equal. *Class III.*—Archibald (W. M.).

## DESIGNING.

FOURTH YEAR.—(*Civil Engineering Course*).—*Class I.*—Scammell; Carter and Dobson, equal. *Class II.*—Dougall (W.). (*Electrical Engineering Course*)—*Class I.*—King. *Class II.*—None. *Class III.*—McDunnough, Becket, Holden, Scott (A.). (*Mechanical Engineering Course*).—*Class I.*—Currie and Turner, equal; Greig, Baker. *Class II.*—Robins, McNaughton, Moodie, Primrose; Griffin and McDougall (G. D.), equal; Nivin. *Class III.*—Angus, Boright, Scott (W. M.). (*Mining Engineering Course*).—*Class I.*—Gwillim, Hart; Wilkin and Askwith and Van Barneveld, equal.

## MINING.

THIRD YEAR.—*Class I.*—Mussen, Green. *Class II.*—Archibald and Rutherford (F.), equal; Webb, Stewart.

## THEORY OF STRUCTURES.

FOURTH YEAR.—*Class I.*—Dobson, Carter. *Class II.*—Scammell. *Class III.*—Dougall (W.).

THIRD YEAR.—*Class I.*—Gill, McDougall (W.), Hunter; Chase and Courtice, equal; Clark and Stewart, equal; Walkem. *Class II.*—Archibald (W. M.); Jaquays and Johnson (E. P.) and Mussen and Wright, equal; \*Huestis; \*Rutherford (G. S.) and \*Smail, equal; Green, \*Rutherford (S. F.); \*Denis and Kenny, equal; \*Killaly and Reinhardt, equal; Hare and \*Rutherford (F.), equal; Dufresne. *Class III.*—Bayfield and Trenholme, equal; \*Webb, \*Ogilvie.

\*Supplemental in Paper II.

*Honour Paper.*

FOURTH YEAR.—(*In order of merit*).—Carter, Dobson.

THIRD YEAR.—(*In order of merit*).—Courtice, Jaquays.

## HYDRAULICS.

FOURTH YEAR.—*Class I.*—Currie, Primrose, Carter; Hart and McDougall (G. D.), equal; Greig. *Class II.*—Nivin and Griffin, equal; Van Barneveld and Wilkin, equal; Dobson and Moodie, equal; Gwillim and Baker and McNaughton and Robins, equal; Boright, Turner, Scott (W. M.), Scammell, Askwith. *Class III.*—Dougall (W.), Angus.

*Honour Paper.*

FOURTH YEAR.—(*In order of merit*).—Currie, Carter, McDougall (G. D.); Dobson and Griffin and Primrose, equal.

## RAILROAD ENGINEERING.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Carter, Dobson. *Class III.*—Dougall (W.), Scammell.

THIRD YEAR.—*Class I.*—Killaly. *Class II.*—Huestis, Reinhardt, Hare, Denis. *Class III.*—Duteg, and D srilvie.

## KINEMATICS OF MACHINERY.

SECOND YEAR.—*Class I.*—MacKinnon and Stovel, equal; Thomson (C.), Davidson (S.). *Class II.*—Guthrie; Ferguson and MacDonald (P. W.), equal; Macdonald (J. E.), Blair; Mackie and Paradis, equal. *Class III.*—Travis, Ross, Connal, Macbean; Campbell and Staples, equal; Chamberlain, Gottsberger, Thompson (F. W.), Haycock; Beatty and Finnie, equal; Wilkinson; Bovey and Walters, equal; Sise (C. F.), Drinkwater; \*Burnham and \*McKibbin and \*Packard and \*Pitcher and \*Symmes and \*Yorston, equal.

\*Supplemental in Sketching.

## THERMODYNAMICS.

FOURTH YEAR.—*Class I.*—Currie and King, equal; Becket, McDunnough. *Class II.*—Holden and McDougall (G. D.), equal; Baker, Dobson; Angus and Greig and Scott (W. M.), equal. *Class III.*—Carter and Dougall (W.), equal; Primrose, Nivin, Robins, Griffin, Boright, McNaughton, Moodie, Turner, Scott (A.).

## MACHINE DESIGN.

FOURTH YEAR.—*Class I.*—Currie, King. *Class II.*—Baker and Becket, equal; McDunnough and Primrose, equal; McNaughton, Nivin, Greig. *Class III.*—Griffin, Angus, Holden, Robins, McDougall (G. D.), Boright, Scott (W. M.), Moodie, Scott (A.), Turner.

THIRD YEAR.—*Class I.*—Wright, Chase, Courtice, Hunter, Kenny, Gill. *Class II.*—Jaquays and Clarke, equal; Walkem, Rutherford (G. S.). *Class III.*—McDougall (W.), Trenholme, Johnson (E. T.), Bayfield, Smail, Rutherford (S. F.).

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## DYNAMICS OF MACHINERY.

FOURTH YEAR.—*Class I.*—Currie, McDunnough, King. *Class II.*—Baker and Greig, equal; McDougall (G. D.), Angus, Robins, Primrose. *Class III.*—Holden, MacNaughton, Nivin, Becket, Scott (W. M.), Griffin, Boright, Moodie; Scott (A.) and Turner, equal.

THIRD YEAR.—*Class I.*—Courtice, Gill. *Class II.*—Walkem, Jaquays, Chase. *Class III.*—Hunter, Kenny, Bayfield, Wright, Trenholme; Clarke and Johnson (E. P.), equal; McDougall (W.).

## MECHANICAL ENGINEERING.

FOURTH YEAR.—*Class I.*—Currie. *Class II.*—Primrose; Baker and McDougall (G. D.), equal; Robins, Angus. *Class III.*—McNaughton, Nivin; Boright and Greig, equal; Scott (W. M.) and Griffin, equal; Moodie, Turner.

## ELECTRICAL ENGINEERING.

FOURTH YEAR.—*Class I.*—King. *Class II.*—McDunnough. *Class III.*—Holden, Becket, Scott (A.).

THIRD YEAR.—*Class I.*—Wright. *Class II.*—Chase. *Class III.*—Johnson (E. P.), Jaquays.

## LABORATORY WORK.

THIRD YEAR.—(*Cement Laboratory*) (*Civil Engineering Course*) *Class I.*—Huestis and Killaly, equal. *Class II.*—Reinhardt; Denis and Dufresne and Hare, equal. *Class III.*—Ogilvie

FOURTH YEAR.—(*Electrical Laboratory*).—*Class I.*—King. *Class II.*—McDunnough, Holden, Becket, Scott (A.).

THIRD YEAR.—(*Electrical Laboratory*).—*Class I.*—Wright, Chase. *Class II.*—Jaquays. *Class III.*—Johnson (E. T.), Trenholme, Rutherford (S. F.)

FOURTH YEAR.—(*Geodetic Laboratory*).—*Class I.*—Scammell, Dobson. *Class II.*—Carter, Dougall (W.)

FOURTH YEAR.—(*Hydraulic Laboratory*).—*Class I.*—Currie, McDougall (G. D.), Primrose, Dobson; Baker and Carter, equal; Griffin, Greig.—*Class II.*—Nivin; Boright and MacNaughton, equal; Robins; Moodie and Scammell and Turner and Wilkin, equal; Scott (W.); Baker and Rogers, equal; Gwillim, Van Barneveld, Angus, Hart. *Class III.*—Dougall (W.).

FIRST YEAR.—(*Mathematical Laboratory*)—*Class I.*—Laurie, Eaves; Mackerras and Sheffield, equal; McCarthy and Rea, equal. *Class II.*—MacLean and Patton, equal; Bond and Cape and Davis and Dean and Macdonald (R. E.) and Waterous, equal; Scott (J. H.); (Atkinson (D. C. T.) and Atkinson (W. J.) and Hawker and Macphail and McLea, equal; Matheson, and Thomas, equal; Ainley and Irving, equal; MacLennan and Reaves and Young, equal; Bachand and Benny and Garrett equal; Davidson (J. H.) and Larmonth, equal; Bacon. *Class III.*—Porcheron and Lamoureux, equal; Gillespie; Sise and Pender, equal; Butler and Mitchell (N. C.), equal; Collins and Cowans, equal.

FOURTH YEAR.—(*Mechanical Laboratory*).—*Class I.*—Currie, McDougall (G. D.)  
*Class II.*—Robins, Baker. *Class III.*—McNaughton; Primrose and Scott  
(W. M.), equal; Griffin, Nivin; Angus and Greig, equal; Moodie, Boright,  
Turner.

FOURTH YEAR.—(*Testing Laboratory*).—*Class I.*—Carter and Scammell, equal;  
Dobson, Dougall (W.).

THIRD YEAR.—(*Testing Laboratory, Civil and Mechanical Engineering Courses*)—  
*Class I.*—Gill, McDougall (W.), Hunter, Smaill. *Class II.*—Huestis,  
Clarke, Denis, Hare, Rutherford (G. S.), Courtice, Kenny, Walkem, Killaly,  
Reinhardt, Bayfield. *Class III.*—Dufresne, Ogilvie.  
(*Electrical Engineering Course*)—*Class I.*—Jaquays, Wright. *Class II.*  
Chase, Rutherford (S. F.).

FOURTH YEAR.—(*Thermodynamic Laboratory*)—*Class I.*—Robins, Currie, Primrose,  
*Class II.*—Greig, Baker; Angus and McDougall, (G. D.), equal. *Class III.*  
—Moodie, Scott (W. M.); McNaughton and Nivin, equal; Griffin,  
Boright, Turner.

## SHOPWORK.

FOURTH YEAR.—*Class I.*—None. *Class II.*—Scott (W. M.), Baker, Moodie; Nivin  
and Greig and Robins, equal; Griffin; Angus and Primrose, equal;  
Cirie; McDougall (G. D.) and Bright and Turner, equal. *Class III.*  
—McNaughton.

THIRD YEAR.—*Class I.*—Hunter. *Class II.*—Wright; Gill and Bayfield, equal;  
Chase. *Class III.*—Walkem and Jaquays, equal; Courtice and McDou-  
gall (W.), equal; Clark; Rutherford (S. F.) and Kenny, equal;  
Rutherford (G. S.) and Smaill, equal.

SECOND YEAR.—(*Civil and Mining Courses*).—*Class I.*—Bell (R. A. S.), Newcombe,  
Thomson (H. N.). *Class II.*—Dougall (R.) and Hillary, equal; Turn-  
bull, Kennedy, MacLeod (G. R.) *Class III.*—Angel. (*Electrical and  
Mechanical Courses*). *Class I.*—Mackinnon, Thompson (F. D.), Travis;  
Staples and McKibbin, equal; Campbell. *Class II.*—Burnham, Yorston;  
Stovel and Macdonald (J. E.) and Chamberlain, equal; Edward, Beatty,  
Finnie; Symms and Connal, equal; MacDonald (P. W.) and Guthrie,  
equal; Blair and Macbean and Walters, equal; Simpson. *Class III.*—  
Wilkinson, Davidson (S.), Packard, Drinkwater; Thomson (C.) and  
Paradis, equal; Mackie and Gottsberger, equal; Pitcher, Ferguson,  
Sise (C. F.), Bovey, Ross.

FIRST YEAR.—*Class I.*—Patton, Matheson, Macphail, MacLean, Eaves, Atkinson  
(W. J.). *Class II.*—Cape, Atkinson (D. C. T.), Butler, McCarthy, Ir-  
ving, Dean; Thomas and Porcheron and Mackerras, equal. *Class III.*—  
Pender and Gisborne, equal; Scott (J. H.) and Benny, equal; MacLen-  
nan and Garrett, equal; McLeod, Ainley; MacKedie and Laurie and  
Bacon, equal; Cowans; Rea and Bond, equal; Macdonald (R. E.) and  
Bachand, equal; Willard; Young and Kane and Collins, equal; Wat-  
erous and Davidson (J. H.), equal; McLea, Hawker, Mackeen, Davis,  
Gillespie, Sheffield, Lamoureux, Larmonth, Grant.

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Cole, F  
Cook,  
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Fortin,  
Honan,

Boyer,  
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Gambie

Barron,  
Carmic  
Devlin,  
Devlin,  
Gaudet

# Students of the University.

SESSION 1894-95.

McGILL COLLEGE.

FACULTY OF LAW.

## FIRST YEAR.

Armstrong, Edgar B.,	Montreal	Jasmin, Pierre S.,	Coaticooke, Q
Bessette, Wilfrid,	Mount Johnson, Q	Kneeland, Abner W., M.A.,	South Stukely, Q
Bickerdike, Frank A. C., B.A.,	Montreal	Lavery, Francis J., B.A. (St. Mary's),	Montreal
Bond, William L., B.A.,	Montreal	McCosham, John Alfred,	Bryson, Pontiac, Q
Boyd, Leslie H., B.A.,	Montreal	McCurdy, E. A.,	Montreal
Brossoit, Numa Ed.,	Beaubarnois, Q	Macguire, Jos. J.,	Woolwich, Eng.
Brodie, F. A. (Special),	Forest, O	Mansur, Chs. Henry, B.A.,	Stanstead, Q.
Cole, Fred. M.,	Montreal	Montgomery, George Hugh Alex. (B.A.,	Bishops),
Cook, John Wilson,	Quebec	O'Leary, Emil,	Montreal
Creighton, Alex. T. (Special),	Glasgow, Scotland	Pelland, Jos. Alf.,	Berthier en Haut, Q
Dickson, Edward H. Trenholme, B.A.,	Trenholmeville, Q	Sinn, Geo. M.,	Arnprior, O
Duclos, Arnold W., B.A.,	St. Hyacinthe, Q	Smyth, Wm. Oswald,	Montreal
Ewing, Jos. Armitage,	Coaticooke, Q	Stewart, Alex. McN.,	Edinburg, Scot'l'd
Fortin, P. A. A.,	St. François Beauce, Q		
Honan, Cornelius,	Three Rivers, Q		

## SECOND YEAR.

Boyer, Louis		Hanson, Albert C.,	Barnston, Q
Donahue, William, B.A.,	Farnham, Q	Mitchell, Victor Evelyn,	London, Eng.
Doncet, René Pothier,	Montreal	Mullin, Robt. T.,	Leitchfield, Pontiac, Q
Gamble, William,	Lachine, Q	White, Charles D.,	Sherbrooke

## THIRD YEAR.

Barron, Robert Hugh, B.A.,	Lachute, Q	Landry, J., B.A. (Ottawa),	
Carmichael, Saumarez, B.A.,	Montreal		St. Pierre de Montmagny, Q
Devlin, E. B., B.A. (Laval),	Aylmer, Q	Patterson, Wm., M.A.,	Montreal
Devlin, J. A., B.A. (Laval),	Aylmer, Q	Swindlehurst, Albert,	Montreal, formerly London, Eng.
Gaudet, D. C., B.A. (Ottawa),	Three Rivers, Q	Whelan, J. P., B.A. (Laval),	Montreal

## FACULTY OF MEDICINE.

## FIRST YEAR.

Alley, G. T.,	Charlottetown, P.E.I	Lamb, J. A.,	Ottawa, O
Banfill, S. A.,	Channell, Q	Lynch, W. W.,	Knowlton, Q
Barlow, W. L.,	Montreal	McCombe, J.,	Dublin, Ireland
Bartlett, G. W.,	Brigus, Nfld	McDonald, P. B.,	Morrisburg, O
Bayfield, G. E.,	Charlottetown, P.E.I	McHarg, R. J.,	Coaticook, Q
Beaudry, J. M. W.,	Montreal	McLaren, W. S.,	Ormsdown, Q
Beaulieu, J. F.,	Cacouna, Q	McLean, J. R.,	Arnprior, O
Belisle, R. J.,	Nashua, N.H	McLennan, P. A.,	Lancaster, O
Bell, John,	New Glasgow, N.S	McLeod, J.,	Hartsville, P.E.I
Berwick, D. J.,	Farnham, Q	McMurtry, A. L.,	Bowmanville, O
Blackett, J. W., B.A.,	Ormsdown, Q	McNaughton, J. M.,	Camilla, O
Bradley, F. H.,	Sherbrooke, Q	Macauley, J. F.,	St. John, N.B
Cameron, A. G.,	Montreal	Macoun, H. J. G.,	Montreal
Campbell, V. B.,	Finch, O	Mellon, P. B.,	Ottawa, O
Chevrier, F. X. A.,	Ottawa, O	Mooney, M.,	Montreal
Chisholm, J.,	New Glasgow, N.S	Morris, T. E.,	St. John, N.B
Corbett, G. G.,	St. John, N.B	Morton, C. S.,	St. John's, Nfld
Cormier, L. O.,	Sherbrooke, Q	Mousseau, E. A.,	Hull, Q
Covert, A. M.,	Grand Manan, N.B	Munroe, J. A.,	Montreal
Cushing, H. B.,	Montreal	Mussen, A. T.,	Lachine, Q
Dalpe, W. H.,	Roxton Pond, Q	Myers, D. A.,	Prentice, Wis
Dandurand, L. H.,	St. Johns, Q	O'Connor, J. H.,	Montreal
Davidson, Campbell,	Montreal	Ogilvy, C., B.A.,	Montreal
Deane, R. B.,	Regina, N.W.T	O'Shaughnessy, L. J.,	Oldham, N.S
Delaney, R. E.,	Holyoke, Mass	Outhouse, J. S., B.A.,	St. Andrews, N.B
Dickson, S. M.,	Montreal	Patterson, F. P.,	St. Martins, N.B
Dixon, E. C.,	Montreal	Patterson, R. U.,	Montreal
Donnelly, C.,	St. Catharines, O	Peters, C. A.,	St. John's, Nfld
Dunn, C. B., B.A.,	Abercorn, Q	Phymister, W. J.,	Montreal
Duncan, R. G.,	Bathurst, N.B	Pigeon, W. H.,	Peterboro, O
Duval, J. L.,	Grande Ligne, Q	Pittis, H.,	Plainfield, N.J
Egan, W. J.,	Sydney Mines, Q	Powers, Martin, B.A.,	Ottawa, O
Fagan, G. A.,	North Adams, Mass	Riddell, F. P., B.A.,	Montreal
Fawcett, R. F. M.,	Jamaica, Nfld	Rioux, A. O.,	Sherbrooke, Q
Finnie, J. H.,	Montreal	Ross, W. J.,	Martintown, O
Fox, A. C. L.,	Montreal	Rose, W. O.,	Lakeville, P.E.I
Forbes, A. McK. T.,	Montreal	Rutherford, R. M.,	Hawkesbury, Q
Francis, B.,	Sydney Mines, N.S	Schwartz, H. J.,	Quebec, Q
Fraser, F. C., B.A.,	Montreal	Sibler, W. F.,	Simcoe, O
Gillanders, W.,	Leeds, O	Smith, A. M., B.A.,	Petitcodiac, N.B
Gillies, B. W. D.,	Teeswater, O	Snyder, A. E. W.,	Coaticook, Q
Grace, A. H.,	Montreal	Soden, A. E.,	Petitcodiac, N.B
Grace, N.,	Montreal	Stockwell, H. P.,	Danville, Q
Green, F. W.,	Victoria, B.C	Sullivan, R. M.,	Montreal
Hall, W. T.,	Montreal	Tanner, C. A. H.,	Richmond, Q
Harvey, F. W., B.A.,	Abercorn, Q	Tansey, O. J.,	Montreal
Haydon, C. H.,	St. John, N.B	Telford, R.,	Valens, O
Heney, A. E.,	Montreal	Tiffany, G. S.,	Alexandria, O
Houston, J. C.,	New Glasgow, P.E.I	Todd, J. L.,	Victoria, B.C
Jamieson, W. R.,	Ottawa, O	Trites, C. B.,	Petitcodiac, N.B
Jones, F. B.,	Montreal	Walker, P. McH.,	Grafton, N. Dakota
Keenan, F. T. J.,	Lindsay, O	West, J., M.A.,	Montreal
Kennedy, W. G.,	Montreal	Wheeler, F. C.,	Richford, Vt
Kent, E. E.,	Montreal	White, C. J.,	St. Lambert, Q
Kiernan, W. H., B.A.,	Three Rivers, Q	Whitton, D. A.,	Ottawa, O
King, J. W. DeC.,	Peterboro, O	Wilkins, F. F.,	Montreal
Lalonde, F. C.,	Brockville, O	Wood, D. F.,	Faribault, Minn

Barcel  
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Gadbo  
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Garret  
Gilday  
Gladm  
Gordon  
Gourle  
Gurd,  
Hardin  
Harvey  
Hayden  
Hill, F.  
Holmes  
Howdes  
Hurdm  
Irving,  
Jack, A  
Jackson  
Johnst  
Johnst  
Jost, A.  
Keenan  
Kerr, R  
Kirby, I  
Laidley  
Laing,  
Lang, A  
La Rue,  
Lennon  
Le Tou  
Lloyd, C  
Lockary  
Loeb, A  
Long, C  
Lynch,  
Lyster,

## SECOND YEAR

Barclay, J.,	Montreal	MacDonald, D. J.,	Whycocomah, C.B
Barrett, H. H.,	Three Rivers, Q	MacLeod, E. E.,	Vancouver, B.C
Barry, F. A.,	Montreal	Macphail, D. T.,	Whycocomah, C.B
Bullard, N. C.,	Boston, Mass	MacRae, W. R.,	Baddeck, C.B
Bearman, G. P.,	Bell's Corners, O	McCabe, J. A. P.,	Windsor Mills, Q
Birkett, F. W.,	Ottawa, O	McCallum, E. C. D.,	Maxville, Q
Brears, C. F.,	Regina, N.W.T	McConnell, H. C.,	Lachute, Q
Brown, W. K.,	Quebec, Q	McCosh, E. A.,	Lucan, O
Brown, C. L., B.A.,	Port Lewis, Q	McDougall, G. P.,	Summerside, P.E.I
Burrell, R. H., B.A.,	Yarmouth, N.S	McDougall, J. G.,	Blue Mountain, N.S
Callaghan, J. E.,	Lake Verd, P.E.I	McElroy, A. S.,	Richmond, Q
Campbell, H. C.,	Russell, O	McKinnon, F. W.,	Vankleek Hill, O
Campbell, J. G.,	Montreal	McLaren, R. W.,	St Raphaels, O
Church, J. M.,	Aylmer, Q	McLennan, A. A.,	Lancaster, O
Clark, J. A. M.,	St. Thomas, O	McLeod, N. D.,	Montreal
Darch, J. A.,	Sherbrooke, Q	McNally, W. P.,	Abrams' Village, P.E.I
Dean, W. E.,	Toronto, O	McRae, J. D.,	Glennevis, O
Dearden, D. C. A.,	Richmond, Q	Malloch, N.,	Moose Jaw, Assa
Douglas, J. A.,	Chatham, O	Maloney, M. J.,	Pembroke, O
Doyle, J. J.,	Halifax, N.S	Merkley, E. A.,	Morrisburg, O
Eberts, E. M. von,	Winnipeg, Man	Midgley, R. J.,	Woodstock, O
Fairie, J. A.,	Montreal	Morrison, G. F.,	Montreal
Ferguson, W. R.,	Toronto, O	Morris, C. H., B.A.,	Windsor, N.S
Foster, A. L.,	Ottawa, O	Morse, L. H.,	Bridgetown, N.S
Foster, G. M.,	Pembroke, O	O'Neill, Chris,	Waterbury, Conn
Gadbois, F. A.,	Sherbrooke, Q	O'Reilly, R. H.,	Ottawa, O
Galbraith, H. H.,	Montreal	Pennoyer, A. R.,	Cookshire, Q
Garrett, L.,	Montreal	Peppers, H. W., B.A.,	Fredericton, N.B
Gilday, F. W.,	Montreal	Prodrick, W. S.,	Ottawa, O
Gladman, E. A.,	Lindsay, O	Purvis, H. B.,	Montreal
Gordon, G. S.,	Halifax, N.S	Rijotte, E. C. F.,	Montreal
Gourley, T. A.,	Eganville, O	Rea, W.,	Huntingdon, Q
Gurd, C. C.,	Montreal	Reque, P. A.,	Springrove, Minn
Harding, E. S., B.A.,	Amherst, N.S	Ritchie, A. A.,	Dalhousie, N.B
Harvey, F. C., B.A.,	Wolfville, N.S	Robert, G. C.,	Holyoke, Mass
Hayden, E. W., B.A.,	Coburg, O	Robert, A. N.,	Holyoke, Mass
Hill, F. L.,	Economy, N.S	Robertson, D. M.,	Perth, O
Holmes, H. S.,	Rat Portage, O	Robertson, H. M.,	Chatham, O
Howden, G. T.,	Montreal	Robertson, Andrew,	Arnprior, O
Hurdman, H. H.,	Ottawa, O	Rogers, F. E.,	Brighton, O
Irving, L. E. W.,	Toronto, O	Roy, J. J.,	New Glasgow, N.S
Jack, A. C.,	Montreal	Scanlan, M. H.,	Gloucester, Mass
Jackson, F. S.,	Montreal	Seaton, J. S.,	St John, N.B
Johnston, J. A.,	Kinkora, P.E.I	Shaw, J. M.,	Montreal
Johnston, W.,	Charlottetown, P.E.I	Skeels, A. A., B.A.,	Montreal
Jost, A. C., B.A.,	Guysboro, N.S	Smith, H.,	Acadia Mines, N.S
Keenan, C. B.,	Ottawa, O	Smith, H. A.,	N. Sydney, C.B
Kerr, R. A.,	Montreal	Sparrow, C. J.,	Alexandria, O
Kirby, H. S.,	Ottawa, O	Springrice, T. A.,	Montreal
Laidley, I. H.,	Montreal	Stanfield, H. M., B.A.,	Truro, N.S
Laing, A. L.,	Ottawa, O	Stansby, F. C.,	Montreal
Lang, A. A. J.,	Almonte, O	Sutherland, G. R.,	Hodson, N.S
La Rue, H. A.,	Quebec, Q	Thomas, I. W.,	Montreal
Lennon, H., B.A.,	Montreal	Thomas, J. E.,	Montreal
Le Touzel, J. R.,	Goderich, O	Thompson, J. A.,	Kinnear's Mills, Q
Lloyd, C. D.,	Lockport, N.S	Tierney, J. A.,	Fallowfield, O
Lockary, J. L.,	St Stephen, N.B	Tozer, F. W.,	Newcastle, N.B
Loeb, A. A.,	Montreal	Trainor, J. B.,	Kelly's Cross, P.E.I
Long, C. B.,	Whitehall, N.Y	Wainwright, F. R.,	Montreal
Lynch, T. I.,	Knowlton, Q	Wainwright, S. F. A.,	Montreal
Lyster, H. H.,	Richmond, Q	Williams, E. J.,	Montreal

## THIRD YEAR

Alexander, G.,	Montreal	Leslie, P. C.,	Montreal
Argue, J. F.,	Carp, O	Lynch, D. P.,	Chapeau, Q
Barry, Fred.,	Montreal	MacCartney, F. W.,	Montreal
Bessey, M. W.,	Waterville, Q	Macauley, J. J. F.,	River Dennis, N.S
Bonnell, S.,	Halifax, N.S	McAllister, D. H.,	Belle Isle, N.B
Braithwaite, J. McC.,	Barbadoes, W. I	Macpherson, D.,	Montreal
Brunnelle, P.,	Lowell, Mass	McArthur, A. W.,	Williamstown, O
Carron, F. B.,	Brockville, O	McConnell, H. C.,	Lachute, Q
Church, C. H.,	Montreal	McEwen, D.,	St. Elmo, O
Church, J. M.,	Aylmer, Q	McDonald, H. K.,	Pictou, N.S
Church, H. M.,	Montreal	McTaggart, D. D.,	Montreal
Churchill, J. L.,	Lockeport, N.S	Mason, R.,	Dalesville, Q
Clindinnin, S. L.,	Brighton, O	Martin, R. H.,	Chatham, O
Colquhoun, P., B.A.,	Colquhoun, O	Meikle, R. H.,	Lachute, Q
Corbett, F. A. F., B.A.,	Parrsboro, N.S	Milburn, J. A.,	Peterboro, O
Craig, R. H.,	Montreal	Mitchell, R. W., B.A.,	Montreal
Crockett, A. P.,	Fredericton, N.B	Moffatt, W. A.,	Ormsdown, Q
Curran, T. J. J.,	Montreal	Moles, E. B.,	Armprior, O
Deacon, G. R.,	Stratford, O	Morse, L. R., B.A.,	Laurencetown, N.S
Dewar, F. E.,	Montreal	Mowatt, W.,	Montreal
Donahoe, M.,	Cardigan Bridge, P.E.I	Oppenheimer, S. S.,	Vancouver, B.C
Douglas, J. A.,	Chatham, O	Patrick, D.,	Montreal
Drum, L., B.A.,	Quebec, Q	Poussette, W. C.,	Peterboro, O
Duckett, F. C.,	Montreal	Prescott, A. H.,	Queensbury, N.B
Dunbar, W. R.,	New Glasgow, N.S	Robins, G. D., B.A.,	Montreal
Dyer, A.,	Montreal	Robertson, W. A. T.,	Howick, Q
Edwards, A. F.,	Thurso, Q	Ross, R. O., B.A.,	N. E. Margaree, N.S
Ellis, G. H.,	Dundela, O	Ryan, J. P.,	Portage la Prairie, Man
Elliott, F. B.,	Mayfair, O	Secord, J. H.,	Summerside, P.E.I
Ewan, R. B.,	Montreal	Scott, W. T.,	Montreal
Ferguson, J. A.,	Smith's Falls, O	Shaw, R. B.,	Covehead, P.E.I
Findlay, C.,	Hamilton, O	Slack, T. J.,	Waterloo, Q
Fish, E. C., B.A.,	Newcastle, N.B	Smillie, Wm.,	Huntingdon, Q
Fisk, W. M.,	Abbotsford, Q	Smith, R. E. G., B.A.,	Woodstock, N.B
Foss, A. F.,	Sherbrooke, Q	Smith, R. A.,	Durham, Q
Fraser, H. B., B.A.,	Westmeath, O	Smyth, W. H., B.A.,	Montreal
Fraser, A. D.,	Breadalbane, O	Steeves, C. P., B.A.,	Lower Coverdale, N.B.
Grant, A. J.,	Pembroke, O	Stackhouse, O. C. S.,	Lachute, Q
Grant, D.,	Pictou, N.S	Stirling, A.,	Fredericton, N.B
Hartin, G.,	Bell's Corners, O	Staples, C. A., B.A.,	Stillwater, Minn
Healey, D. J.,	Sault Ste. Marie, O	St. Pierre, A. D.,	Ripon, Q
Hogan, E. V., B.A.,	Weymouth, N.S	Sutherland, J. A.,	River John, N.S
Howell, W. B.,	Montreal	Tétreau, T.,	Lawrence, Mass
Hughson, R. E.,	Blenheim, O	Thomson, F. L.,	Mitchell, O
Irvine, A. D.,	Montreal	Tupper, T. S.,	Fredericton, N.B
Kelly, J. K.,	Almonte, O	Warren, J. F.,	Harper, O
Kemp, H. G.,	Brighton, O	Wheeler, F. H., B.A.,	Florenceville, N.B
Kendrick, W. N.,	Spring Valley, Minn	White, R. B.,	Pembroke, O
Lauder, S. E.,	Durham, O	Wood, W. S.,	Faribault, Minn
Lee, J. F.,	Port Hope, O		

## FOURTH YEAR

Alexander, C. C.,	Fredericton, N.B	Baird, J.,	St Paul, Minn
Allen, J. H., B.A.,	West Osgoode, O	Bailey, J. W., B.A.,	Northfield, Minn
Anthony, X. L.,	Berwick, N.S	Basken, J. T.,	Dunrobin, O
Anderson, D. P., B.A.,	New Liverpool, Q	Beatty, E. D.,	Nepean, Q
Akerley, A. W. K.,	Fredericton, N.B	Bishop, C. W.,	Montreal
Ault, C. R.,	Tilsonburg, O	Blow, T. H.,	South Mountain, O
		Boucher, R. B.,	Peterboro, O

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Len



Bouck, C. W.,	Inkerman, O	Lambly, W. D.,	Inverness, Q
Chapman, H. J.,	Port Elgin, N.B	Link, D. A.,	Gravenhurst, O
Cummins, M. E., B.A.,	St. Stephen, N.B	Lauterman, M.,	Montreal
Cowie, W., B.A.,	Montreal	McLeay, A. A.,	Danville, Q
Cruikshank, A.,	Inverness, Q	McKinnon, N.,	Park Hill, O
Day, J. L., B.A.,	Montreal	McNally, G. J.,	Upper Kingsclear, N.B
Ellis, W. L.,	St. John, N.B	McGannon, A. V.,	Brockville, O
Feader, W. A.,	Iroquois, O	McLennan, D. A.,	Fournier, O
Finn, J. W.,	Wallace, N.S	May, G. F.,	Montreal
Foss, A. F.,	Sherbrooke, Q	Merrick, J. H.,	Merrickville, O
Fox, C. H.,	Oxley, O	Neill, R. W.,	Alymer, Q
Gallant, St. C. G.,	Charlottetown, P.E.I	Oliver, W., B.A.,	Rockburn, Q
Gilman, F. M.,	Tusket, N.S	Phelps, S. E.,	Montreal
Gleason, J. H.,	Cowansville, Q	Price, B. S.,	King's Co., N.B
Goltman, A.,	Montreal	Quay, D. D.,	Port Hope, O
Grant, J. P.,	New Glasgow, N.S	Keilly, W. G.,	Ottawa, O
Gun, A.,	Durham, O	Robertson, J. E.,	Morrisburg, O
Hamilton, R.,	Bright, O	Ryan, E. J.,	St. Kitts, W.I
Hargrave, I. L., B.A.,	Rosedale, Man	Saunders, E. H.,	Woodstock, O
Harwood, R. de L.,	Vandreuil, Q	Shaw, H. M.,	Berwick, N.S
Hogg, L., B.A.,	London, O	Smith, S. R. B.,	Brighton, O
Hogle, J. H.,	Montreal	Spearman, F. S.,	Hemmingford, Q
Hame, W. L.,	Leeds Village, Q	Tees J., B.A.,	Montreal
Internoscia, A.,	Montreal	Vipond, C. W.,	Montreal
Johnston, F. E. L.,	Delaware, O	Walker, D. F.,	Huntingdon, Q
Keith, H. W.,	Havelock, N.S	Watson, J. H., B.A.,	Barbadoes, W.I
Kerry, R. A.,	Montreal	Wickham, W. W.,	Summerside, P.E.I
King, J. H.,	Chipman, N.B	Williams, J. A.,	Carleton Place, O
Knapp, H. T., B. A.,	Sackville, N.B	Wood, D. M.,	Kenmore, O
Kyle, R. J. L.,	Morewood, O	Wright, H. K.,	Montreal

## FACULTY OF ARTS.

*Undergraduates.*

## FIRST YEAR.

<i>Name.</i>	<i>School.</i>	<i>Residence.</i>
Bates, C. J. L.,	Vankleek Hill High School,	L'Orignal, O
Bishop, W. Gordon,	Montreal Collegiate Institute,	Montreal
Burke, Edmund Ar,	Bishop's College School,	Montreal
Cameron, Arch. Gard.,	M. H. S.,	Montreal
Campbell, J. Aug. Ewat.,	Montreal Collegiate Institute,	Montreal
Colby, Jno. Child,	Montreal Collegiate Institute,	Stanstead, Q
Costigan, Jno. Wm.,	M. H. S.,	Montreal
Coussirat, Henri H.,	M. H. S.,	Montreal
Dalgleish, Robt. Wallace,	Huntingdon Academy,	Huntingdon, Q
Duff, Arch. H.,	Montreal Collegiate Institute,	Montreal
Dutton, Arthur Wm.,	Private Tuition,	Montreal
Evans, Jno. Hy.,	Montreal Collegiate Institute,	Montreal
Gardner, Wm. A.,	Huntingdon Academy,	Huntingdon, Q
Gilday, Arch. L. C.,	M. H. S.,	Montreal
Gill, Jas. Lester W.,	Private Tuition,	Charlottetown, P.E.I
Haughton, Chris.,		Reid's Mills, Ont
Heeney, Wm. B.,	Montreal Diocesan Theolog' l. Coll.,	Danford Lake, Q
Heine, M. Casewell,	Leal's School, N.J., U.S.,	New York City
Leet, Merrick A.,	McGill Normal School,	Castlebar, Q
Leney, John Muirhead,	M. H. S.,	Montreal

Montreal  
 capeau, Q  
 Montreal  
 ennis, N.S  
 Isle, N.B  
 Montreal  
 nstown, O  
 achute, Q  
 Elmo, O  
 ctou, N.S  
 Montreal  
 lesville, Q  
 batham, O  
 achute, Q  
 terboro, O  
 Montreal  
 nstown, Q  
 rmprior, O  
 town, N.S  
 Montreal  
 ouver, B.C  
 Montreal  
 terboro, O  
 sbury, N.B  
 Montreal  
 Howick, Q  
 rgaree, N.S  
 rairie, Man  
 side, P.E.I  
 Montreal  
 ead, P.E.I  
 Waterloo, Q  
 tingdon, Q  
 istock, N.B  
 Durham, Q  
 Montreal  
 wer Cover-  
 dale, N.B.  
 Lachute, Q  
 ricton, N.B  
 water, Minn  
 Ripon, Q  
 r John, N.S  
 rence, Mass  
 Mitchell, O  
 ericton, N.B  
 Harper, O  
 ceville, N.B  
 embroke, O  
 bault, Minn

Paul, Minn  
 hfield, Minn  
 Dunrobin, O  
 Nepean, Q  
 Montreal  
 Mountain, O  
 Peterboro, O

Luttrell, Hy. P.,	M. H. S.,	Montreal
Lynch, Walter H.,	M. H. S.,	Monsonville, Q
McConnell, Robt. Ernest,	M. H. S.,	Montreal
McGregor, Jas. Albert,	Huntingdon Academy,	Huntingdon, Q
MacLeod, Hy. Stainforth,	Prince of Wales College,	Dunstaffuage, P.E.I
Mackedie, Randolph B.,	Abingdon School,	Montreal
Maclaren, A. Henderson,	Huntingdon Academy,	Huntingdon, Q
Meyer, John B.,	Senior School and Private Tuition,	Beaulac
Moore, Percy T.,	M. H. S.,	Montreal
Munn, D. Walter,	Quebec H. S.,	Quebec
Paterson, Edwin R.,	St. Francis College,	Montreal
Paterson, Robt. Childs,	Montreal Collegiate Institute,	Montreal
Pocock, Chas. E. A.,	St. Francis College,	Hillhurst, P.Q
Prudham, W. W.,	Waterdown H. S.,	Waterdown, O
Ross, Wm. Walter,	McGill Normal School,	Hopetown, Q
Shin, Moses,	M. H. S.,	Montreal
Sutherland, Jas.,	Inverness Academy,	Inverness, Q
Thomas, J. Wolferstan,	Bishop's College School,	Montreal
Thompson, James Edmund,	Coaticook Academy,	Coaticook, Q
Thomson, Jas. Richard,	Sarnia Collegiate Institute,	Kinnear's Mills, Q
Turner, Hy. H.,	Carleton Place H. S., Ont.,	Appleton, O
Turner, Wm. D.,	Almonte H. S., Ont.,	Appleton, O
Vinberg, Abraham,	M. H. S.,	Montreal
Wainwright, Arnold,	Montreal Collegiate Institute,	Montreal

SECOND YEAR.

<i>Name.</i>	<i>School.</i>	<i>Residence.</i>
Armstrong, W. J. Alex.,	Shawville Academy,	Bristol, Q
Boyce, W. S. P.,	Albert College, Belleville,	Norham, O
Browne, John G.,	M. H. S.,	Montreal
Bruce, John C.,	Huntingdon Academy,	Huntingdon, Q
Campbell, Ed. M.,	Inverness Academy,	Inverness, Q
Campbell, Roland P.,	Montreal Coll. Institute,	Westmount, Q
Cleland, Jno. A.,	Private Tuition,	Montreal
Douglas, Robt. J.,	Private Tuition,	Earlton, N.S
Gilmour, F. W.,	Almonte H. S.,	Almonte, O
Howard, A. Campbell P.,	Montreal Coll. Institute,	Montreal
Ives, Charles K.,	Normal School, Montreal,	Stanstead, Q
Johnston, Wallace,	Toronto University Coll.,	Redgrave
Ker, Robert Harold,	M. H. S.,	Montreal
Larmonth, Geo. Everett,	M. H. S.,	Montreal
McLean, Sam.,	Lindsay Coll. Institute,	Bolsover, O
McLeod, Donald M.,	Private Tuition,	Springton, P.E.I
McMaster, Andrew R.,	Montreal Coll. Institute,	Montreal
Macfarlane, Lawrence,	M. H. S.,	Montreal
Mackay, Hector,	Kincardine H. S.,	Ripley, O
Mackay, Malcolm,	Montreal Coll. Institute,	Montreal
Macmillan, Talmage R.,	Prince of Wales Coll.,	Newhaven, P.E.I
Mallinson, Stephen H.,	Private Tuition,	London, Eng.
Marler, Herbert M.,	Montreal Coll. Institute,	Montreal
Moore, Wm.,	Inverness Academy,	Lachute, Q
Ross, Alex. R.,	Montreal Coll. Institute,	Montreal
Rowat, Donald McK.,	Huntingdon Academy,	Athelstan, Q
Russel, Colin K.,	Montreal Coll. Institute,	Montreal
Saxe, John G.,	M. H. S.,	Montreal

Steady, Fred. W.,	Montreal Dioc. Theol. Coll.,	Montreal
Stevenson, James,	Montreal Coll. Institute,	Montreal
Trenholme, Arthur K.,	M. H. S.,	Westmount, Q
Watters, Wm. H.,	Stanstead Wesleyan Coll.,	Lynn, Mass., U.S
Willis, John J.,	M. H. S.,	Montreal
Wyman, Dan. B.,	Hawkesbury H. S.,	Chute au Blondeau, O
Wyman, Hiram B.,	Hawkesbury H. S.,	Chute au Blondeau, O

## THIRD YEAR.

<i>Names.</i>	<i>Residence.</i>	<i>Names.</i>	<i>Residence</i>
Ashdown, Chas. R.,	Toronto, O	Pollock, Thos. I.,	Hill Head
Campbell, Geo. A.,	Montreal	Robertson, John C.,	King's Co., N.B
Coburn, David N.,	Up. Melbourne, Q	Ross, Herbert,	Montreal
Cole, Wilfrid G. G.,	Montreal	Ryan, Wm. A.,	Three Rivers, Q
Ferguson, Wm. S.,	Marshfield, P.E.I	Saunders, Frank C.,	Montreal
Gordon, Alfred E.,	Alberton, P.E.I	Scott, Arthur P.,	Montreal
Howell, Arch. R.,	Montreal	Scrimger, J. Tudor,	Montreal
Lennon, Walter S.,	Montreal	Smiley, Francis C.,	St. Lambert, Q
McMartin, Thos. A.,	Gr. Frenière, Q	Turner, Wm. G.,	Quebec
Molson, Kenneth,	Montreal	Watt, J. C.,	Lanark, O
Patterson, W. Fred.,	Montreal		

## FOURTH YEAR.

Armstrong, E. N.,	Montreal	Levy, A.,	Montreal
Burnet, Arthur,	Farnham Centre, Q	MacIntosh, Major H.,	Summerside, P.E.I
Craig, W. W.,	Montreal	McNaughton, Francis,	Huntingdon, Q
Crombie, Wm. B.,	Fort Coulonge, Q	Rogers, Reginald H.,	Alberton, P.E.I
Dyer, Edward,	Sutton, Q	Smith, W. Oswald,	Montreal
Ellicott, T. W. H.,	Montreal	Sutherland, Wm. C.,	Woodstock, O
Fourney, F. W.,	Montreal	Symmes, Thos. J.,	Aylmer, Q
Gustin, Wm. Alfred,	Fitch Bay, Q	Tooke, Fred. T.,	Montreal
Hanson, Albert C.,	Barnston, Q	Trenholme, Norman M.,	Montreal
Hickson, James Claud,	Montreal	Wallace, James M.,	North Gower, O
Hopkins, M. C.,	Coaticook, Q	Weir, George,	Eastwood, O
Howard, E. Edwin,	Farnham, Q	Young, Henry,	Blakeney, O
Keith, Neil D.,	Glencoe, O	Young, Stephen,	Blakeney, O
Leroy, O. E.,	St. Andrew's East		

## B.A.

Day, Frank J.,	Belleville, O	McGerrigle, Jno. A.,	Ormsdown, Q
Farnsworth, A. H.,	Compton, Q	McVicar, Archibald,	Strathroy, O
Internoscia, Jerome,	Montreal	Mahaffy, Albert,	Port Albert, O

*Partial Students*

A Student who is not an Undergraduate, or Graduate, is called a Partial Student.

The figure (1), (2) or (3), prefixed to a name, indicates that the Student takes a class in the corresponding year as well as in that where the name is found.

FIRST YEAR.

Abram, Louis T.,	France	Kay, Wm. Fred.,	Philipsburg, Q
Akitt, W.,	Meaford, O	Leitch, Hugh,	Walkers, O
Alexander, J. L.,	Bowmanville, O	Leith, Magnus J.,	Athe rley, O
Baird, F. A.,	St. John, N.B	Lewis, Richd. H.,	Weymouth, Eng
Belton, A. J.,	Clayton, O	Lough, Dan. A.,	Ottawa, O
Biron, M. W.,	Wakefield, Q	McGuire, John M.,	Stratford, O
Brace, A. P.,	Toronto, O	McLean, A. S.,	Tarbert Harris, Scot.
Bradshaw, James E.,	Valleyfield, Q	Mair, John A.,	Lanark, O
Burnett, Phillip,	Montreal	Murphy, Thos. A.,	Montreal
Carmichael, Hy. E.,	Mascouche R'ds, Q	Pollock, Albert F.,	Forest, O
Cashmore, Wm.,	Ottawa, O	Poston, Jas. A.,	Dungaven, Irel
Coolican, Arthur T.		Redpath, J. Clifford,	Montreal
Cox, Jos. F.,	Shefford Mountain, Q	Reid, Leslie W.,	Aberfoyle, O
Crombie, Geo. L.,	Fort Coulonge, Q	Key, Jean	
Cumming, Wm. A.,	Buckingham, Q	Ross, Arthur B.,	Montreal
Curdy, Ed A.,	Port Valais, Switzerland	Saxe, Chas. M.,	Albany, N.Y
Dubois, Hy. J.,	Sudbury, O	Schwitzer, Wm. C.,	Ottawa, O
Eagleson, Richd.,	Hazledean, O	Seagram, Jos. H.,	Waterloo, O
Frye, Alfred W.,	Windsor Mills, Q	Smith, G. E.,	Stoney Creek, O
Grace, Arch. H.,	Montreal	Smith, W. A.,	Brussels, O
Harding, Alb. E.,	Montreal	Smythe, Theo. A.,	Jamaica, W.I
Hill, Harry,	Smith's Falls, O	Squires, George	
Holland, Thos. B.,	London, Eng.	Stephens, John G.,	New Rocklands, Q
Huot, D.,	Montreal	Tarlton, Brookes B.,	Montreal
Internoscia, Jerome (B.A.)	Montreal	Todd, John L.,	Victoria, B.C
Johnson, Clarence E.,	L'Original, O	Wilson, Alfred C.,	Hilliar, O
Judah, Fred. R.,	Montreal		

SECOND YEAR.

(1) Akitt, Wesley,	Meaford, O	Graham, David J.,	Ashton, O
Anglin, Wm. W.,	Battersea, O	(1) Harding, Alb. E.,	Montreal
Baird, Franklin A.,	St. John, N.B	(1) Hill, Harry,	Smith's Falls, O
Bell, John H.,	Lachine, Q	Hill, Walter H. P.,	Montreal
(1) Belton, A. J.,	Clayton, Ont.	Horsey, Harold I.,	Kingston, O
(1) Biron, M. W.,	Wakefield, Q	Howard, Allan C.	
(1) Brace, A. P.,	Toronto, O	Johnson, Wm. D.	
(1) Bradshaw, Jas. E.,	Valleyfield, Q	Keefer, Robt.,	Flesherton, O
Brunton, John N.,	Marvelville, O	Kelly, Matt.,	Hamilton, O
Burke, Geo. W.,	Farran's Point, O	(1) Leitch, Hugh,	Walkers, O
Campbell, Geo. I.,	Aultsville, O	(1) Lewis, Rd. H.,	Weymouth, Eng.
(1) Cashmore, Wm.,	Ottawa, O	(1) Lough, Dan. A.,	Ottawa, O
Crozier, Hugh G.,	Grand Valley, O	MacCuaig, Wm. W.,	Bryson,
Cunningham, Arth. A.,	Huntingdon, Q		Pontiac, Q
Davidson, C.	Montreal	(1) McGuire, Jno. M.,	Stratford, O
(1) Eagleson, Rich'd.,	Hazledean, O	(1) Mair, John A.,	Lanark, O
Elliott, Dawson D.,	Haley's Station, O	Menançon, Jean E.,	Montreal
Ferguson, Hugh,	McLaren's Depot, O	Mills, A. W.,	Kemptville, O
Fraser, Simon L.,	Hawkesbury, O	Murray, Hazen T.,	King's Co, N.B.
(1) Frye, Alfred W.,	Windsor Mills, Q	Patterson, J. R.,	Rochester, N.Y.
Genova, V.,	Montreal	(1) Pollock, Albert F.,	Forest, O
Gourlay, J. J. L.,	Carp, O	Quincy, John A.,	Mallorytown, O
		(1) Reid, Leslie W.,	Aberfoyle, O
		Seller, Johnson,	Sawyerville, Q
		Shaw, Ernest J.,	Avonmore, O

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Brodie  
Brook  
Camer  
Carr,  
Church  
Codd  
Cowar

Sincennes, J. B., Masham, Ot tawa, Co., O	Walker, P. A., Camlochic, O
(1) Smith, W. A., Brussels, O	Watt, R. G., Lanark Village, O
(1) Smythe, Theo. A., Jamaica, W. I.	Wielan, —
(1) Squires, Geo.	Wilson, Wm.
	Ziegler, J. A., Berlin, O

## THIRD YEAR.

(2) Anglin, Wm. W.	Jamieson, S. D., Inverness, Clap- ham, O
(2) Belton, A. J.	Leitch, F. Arthur, Flesherton, O
(2) Brace, A. P.	(2) Lewis, Rd. H.
Brand, Hy., Montreal	(2) Lough, Dan. A.
(2) Burke, Geo. W.	Mason, Hy. E.
(2) Campbell, Geo. J.	Milliken, Robt., London, O
(2) Cashmore, Wm.	Pates, Alf. E., Montreal South, Q
Cavers, Chas. A., Homer, O	(2) Quincey, Jno. A.
Collins, Benj., Beachburg, O	(2) Reid, Leslie W.
(2) Eagleson, Robt.	(1) Smith, G. E.
Extence, Geo.	(2) Smith, W. A.
Graham, Sharon, Montreal, Q	(2) Smythe, Theo. A.
(2) Hill, Harry	(2) Watt, R. G.
Humphrey, J. W., Cowansville, Q	Wright, Robt., Beachburg, O
Jackson, Wm. P., Kingston, O	(2) Ziegler, J. A.

## FOURTH YEAR.

Beamish, Wm. J., Prescott, O	(3) Lewis, Rd. H.
(3) Brand, Hy.	(2) MacCuaig, Wm. W.
Brown, Thos., Montreal	McEwan, Sam. R., Rawdon, Q
(1) Crombie, Geo. L.	(3) Mason, Hy. E.
(2) Elliott, Dawson D.	Miller, Robt. A., Lumley
(3) Extence, Geo.	(3) Milliken, Robt.
Fish, Hy. A., Toronto, O	(2) Mills, A. W.
Forlong, —	(3) Pates, Alfred E.
(2) Graham, David J.	(2) Patterson, J. R.
(3) Humphrey, J. W.	(2) Seller, Johnson
(3) Jackson, Wm. P.	(2) Walker, P. A.
(3) Jamieson, S. D.	Warden, F. A.
(2) Keefer, Robt.	(2) Wilson, Wm.
(3) Leitch, Fred. Arthur	(3) Wright, Robt.
(1) Leith, Magnus J.	

## DONALDA DEPARTMENT.

## SPECIAL COURSE FOR WOMEN.

*Undergraduates.*

## FIRST YEAR.

<i>Name.</i>	<i>School.</i>	<i>Residence.</i>
Bourke-Wright, K. M. H.,	University College, Aberystwyth, Wales, Ireland	
Brodie, Margaret,	Cote St. Antoine Academy,	St. Henry, Montreal
Brooks, Harriet,	Seaforth Collegiate Institute,	Sherbrooke, Q
Cameron, Frances M. T.,	Trafalgar Institute,	Kingston, O
Carr, Muriel B.,	G. H. S., St. John, N.B.,	St. John, N.B
Church, Elizabeth,	Compton Ladies' College,	Montreal
Codd, Grace,	Waterloo Academy,	Waterloo, Q
Cowan, Jean P.,	McGill Normal School,	Montreal

Dover, M. Violette,	Private Tuition,	Peterboro, O
Jordan, Florence M.,	M. G. H. S.,	Montreal
Kneen, Grace A.,	M. G. H. S.,	Montreal
Pearson, Katie C.,	M. G. H. S.,	Montreal
Reid, Bessie M.,	McGill Normal School,	Montreal
Ryckman, F. Fredrika,	Coaticook Academy,	Montreal
Shaw, A. Louise,	McGill Normal School,	Montreal
Tighe, Sarah C. W.,	Cote St. Antoine Academy,	Westmount, Montreal
Walker, Laura F. M.,	Private Tuition,	Montreal

SECOND YEAR.

<i>Name.</i>	<i>School.</i>	<i>Residence.</i>
Cameron, Mary T.,	Trafalgar Institute,	Kingston, O
Doull, Ethel M.,	McGill Normal School,	Montreal
Galt, Annie P.,	Private Tuition,	Montreal
Hinds, Charlotte,	Compton Ladies Coll.,	Actonvale, Q
Holden, Margaret L.,	G. H. S., St. John, N.B.,	St. John, N.B
Pinder, Ethel B.,	M. G. H. S.,	St. Lambert, Q
Rickey, Elenore,	Private Tuition,	Jefferson City, Mo., U.S
Ross, Elizabeth,	Private Tuition,	Brucefield, O
Smith, Annie Louise,	Misses Symmers and Smith's School,	Montreal
Stephen, Jennie,	Ottawa Coll. Inst.,	Ottawa, O
Walbridge, Mabel H.,	Mystic Model S. and P. T.,	Mystic, Q
Young, Laura A.,	Prince of Wales College,	Charlottetown, P.E.I

THIRD YEAR.

Botterell, Florence,	Montreal	Locke, Winifred A.,	St. Lambert, Q
Brown, Justine M.,	Montreal	McBurney, Edith E.,	St. Lambert, Q
Bryant, Flora A.,	Montreal	McCuaig, Mary,	Montreal
Chalmers, Louise H.,	Granby, Q	McWilliam, Bessie V. J.,	Quebec
Denoon, Agnes H.,	Montreal	Macphail, Jeannette C.,	Orwell, P.E.I
Fraser, H. Alice,	Richmond, Q	Mitchell, Katharine R.,	Montreal
Hammond, Elizabeth A.,	Montreal	Nichols, Amy W.,	Montreal
Henderson, Grace,	Montreal	Pitcher, Winona J.,	Montreal
Hill, Harriet S. M.,	Westmount, Montreal	St. James, Leah M.,	Grande Ligne, Q
Hurst, I. Ethel,	St. Lambert, Q	Vaudry, M. O.,	Shefford Mountain, Q
Hutchison, Margaret,	St. Thomas, O	Watson, Mona T.,	Montreal

FOURTH YEAR.

Armstrong, L. E.,	Montreal	Travis, Katharine,	Hampton, N.B
Cameron, Susan E.,	St. John, N.B	Watson, Rosalind,	Huntingdon, Q
McCoy, Emma C.,	Rockburn, Q	Whiteaves, A. Maud,	Ottawa, O
Radford, Ethel S.,	Montreal	Wilson, Margaret,	Montreal

B. A.

Angus, Frances R.,	Montreal	Millar, Edith M.,	Montreal
Binmore, Elizabeth,	Montreal	Ogilvy, Isabella,	Montreal
Botterell, Jeannie T.,	Montreal	Pattison, Mary L.,	Clarenceville, Q
Campbell, Rosalia F.,	Montreal	Raynes, Ethel G.,	Westmount, Montreal
Craig, Margaret,	Montreal	Shaw, S. Louise,	Montreal
Hall, Bessie G.,	Montreal	Smardon, Charlotte,	Three Rivers, Q
Jackson, Annie L.,	Montreal		
Macdonald, Minnie L.,	Montreal		

*Partial Students.*

A Student who is not an Undergraduate, or Graduate, is called a Partial Student.

The figure (1), (2) or (3), prefixed to a name, indicates that the Student takes a class in the corresponding year as well as in that where the name is found.

## FIRST YEAR.

Herrick, Rachel M.,	Abbotsford, Q	Shaw, Sarah L. (B.A.)	
Howell, Jessie C.,	Montreal	Silver, Cora M.,	Danville, Q
Johnson, Sybil,	Montreal	Smaill, Edith M.,	Lachine, Q
McLeod, Lottie R.,	Westmount, Montreal	Steen, Alice G.,	Farran's Point, O.
Ogilvy, Isabella (B.A.)		Wilson, Annie E.,	Montreal
Scrimger, Anna M.,	Montreal		

## SECOND YEAR.

Boyd, Marg.,	Montreal	Raynes, Nora B.,	Westmount, Montreal
Bullock (Mrs. H.H.),	Montreal W.	Robertson, Helen M.,	Montreal
Burns (Mrs. W. H.),	Montreal	Robertson, Mary L.,	Montreal
Cushing, Florence E.,	Montreal	Shaw, Matilda,	Quebec
Dobbins (Mrs. C. H.),	Montreal	Silcox, Georgia,	Montreal
Erskine, Jennie B.,	Montreal	(1) Smaill, Edith M.,	Lachine
Fenwick, Frances,	Montreal	Smardon, Ethel R.,	Montreal
Grier, Olive M.,	Montreal	Taylor, Amy I.,	Montreal
Gurd, Effie S.,	Montreal	Thompson, Mary W.,	Montreal
Henderson, Marg. E.,	Montreal	Ward, Alice,	Westmount, Montreal
Holden, Ella E.,	Montreal	Ward, Mabel H.,	Westmount, Montreal
Jackson, M. Lillian,	Montreal	Warren, Hattie S.,	Montreal
(1) Johnson, Sybil,	Montreal	Williams, A. Maude,	Montreal
Kelley, Jean L.,	Montreal		
Lindsay, Violet H.,	Montreal		
Radford, Janet,	Montreal		
Raynes, Mary T. V.,	Westmount, Montreal		

## THIRD YEAR.

(2) Cushing, Florence E.		Savage, Mary M.,	Montreal
Krause, Louise,	Montreal		

## FOURTH YEAR.

(3) Cushing, Florence E.		Johnson, Helena,	Montreal
(2) Erskine, Jennie B.		Monk, Isa M.,	Montreal
Evans, E. Elsie,	Montreal	(2) Silcox, Georgia	

## FACULTY OF APPLIED SCIENCE.

## FIRST YEAR.

Archibald, Harry P.,	Antigonish, N.S.	Lamoureux, Jos. A.,	St. Sebastian, Q
Ainley, Charles M.,	Almônte, O	*Larmonth, Norman G.,	Ottawa
Atkinson, Donald C. T.,	Etchemin, Q	Laurie, Albert,	Montreal
Atkinson, Wm. J.,	Glenboro, Man	Macdonald, Ralph E.,	Antigonishe, N.S.
Aylmer, Arthur L.,	Melbourne, Q	Mackenzie, Malcolm,	Sarnia, O
Bachand, Geo.,	Montreal	*MacKedie, Randolph B.,	Montreal
Bacon, Fred. T. H.,	Montreal	MacKeen, Rupert T.,	Sydney, N.S.
Barclay, Alex.,	Montreal	Mackerras, John D.,	Kingston, O
Benny, Walter W.,	D'Aillebout, Q	Maclean, Thomas A.,	Charlottetown,
Bond, Frank L. C.,	Montreal		P.E.I
*Brown, Sydney G.,	Montreal	Maciennan, Frank W.,	Cornwall, O
*Bullock, Harry H.		Macphail, Wm. M.,	Orwell, P.E.I
Butler, Percy,	Montreal	McCarthy, Geo. A.,	Moncton, N.B
Cape, Edmund,	Hamilton, O	McLea, Ernest H.,	Montreal
Collins, Chas. D.,	Peterborough, O	*McLeod, Norman,	Montreal
Corriveau, Raoul de B.,	Iberville, Q	McRae, John B.,	Ottawa
Cowans, Frederick,	Montreal	Matheson, Ernest G.,	Oyster Bed
*Crombie, Frederick R.,	Montreal		Bridge, P.E.I
Davidson, J. Herbert,	Montreal	Mitchell, Norman C.,	Halifax, N.S
Davis, Angus W.,	Montreal	Mitchell, Norman S.,	Montreal
Dean, Bertram D.,	Hamilton, O	*Patton, W. H.,	Huntingdon, Q
Eaves, Edmund,	Montreal	*Pender, John F.,	St. John, N.B
Ewan, Herbert M.,	Montreal	*Porcheron, Alphonse,	Montreal
Garrett, Geo. W. S.,	Ottawa	*Rea, Kenneth,	Lachine, Q
*Gillespie, Thomas S.,	Montreal	Reaves, Campbell,	Montreal
Gisborne, Lionel L.,	Ottawa	*Scott, James H.,	Outremont, Q
*Granger, Nat. N.,	Montreal	Sheffield, Chas.,	Kingston, O
Grant, Wm. W.,	Montreal	Sise, Edward J.,	Montreal
*Hawker, James T.,	St. John, N.B.	*Snowball, Robert A.,	Chatham, N.B
*Hutchinson, Wm. S.,	Montreal, Q	Thomas, Leonard E. L.,	Melbourne, Q
Irving, Thos. T.,	Vernon River Bridge,	Waterous, Charles A.,	Brantford, O
	P.E.I.	Weldon, Robert, P.,	St. John, N.B
Kane, Roderick,	Montreal	*Willard, Edward G.,	Hamilton, O
Lacroix, Armand,	Montreal	Young, George A.,	Kingston, O

\*Partial Student.

## SECOND YEAR.

Angel, F. W.,	St. John's, Nfld.	Davidson, Shirley,	Montreal
Balfour, Reginald H.,	Montreal	Dougall, Ralph.,	Montreal
Beatty, David H.,	Sarnia, O	Drinkwater, Charles G.,	Montreal
Bell, John W.,	Montreal	Edward, John R.,	Outremont, Q
Bell, Richard A. S.,	Mosgrove, O	Ferguson, Thomas,	Peterboro, O
Blair, David E.,	Chicoutimi, Q	Finnie, Oswald S.,	Ottawa
Bovey, Edward P.,	Torquay, Devon,	Gottsberger, Jas. B.,	B.A., Brooklyn,
	England		N.Y., U.S.A
Burnham, Harold B.,	Peterboro, O	Guthrie, Norman G.,	Guelph, O
Campbell, Alex.,	Ottawa	Haycock, Richard L.,	Ottawa
Chamberlain, Wm. T.,	Halifax, N.S	Hillary, Geo. M.,	Whitby, O
*Coates, Geo. R.,	Montreal	Kennedy, Lindsay R.,	Pembroke, O
Colson, Charles H.,	Montreal	Macbean, Stanley L.,	Montreal
Connal, Wm. F.,	Peterboro, O	Macdonald, Jas. E.,	New Glasgow, N.S

Macdonald,  
Mackie,  
MacKinMacleod  
McKibb  
\*McKill  
Newcom  
Packard  
Paradis,  
Pitcher,  
Ross, Jc  
Simpson  
Sise, ChArchibal  
Bayfield,Chase, H  
Clarke, I  
Courtice,  
Dénis, T  
Dufresne  
Gill, J. I  
Green, Jc  
Hare, Ge  
Howe, R  
Hunter,  
Huestis,  
Jaquays,  
Johnson,  
Johnson,  
Kenny, TAngus, V  
Askwith,  
Baker, H  
Becket, F  
Boright,  
Carter, W  
Currie, W  
Dobson, JDougall,  
Greig, Al  
Griffin, M  
Gwillim,  
Hart, Orc  
Holden, J  
King, Rol  
McDouga

\*Partial S



Macdonald, Peter W., West Bay, N.S.	Staples, Clark,	Balsam Lake, O
Mackie, Jas. D., Kingston Station, O	Stovel, Russell W.,	Toronto, O
MacKinnon, Geo. D., Charlottetown,	Suter, Robert W.,	Carleton Place, O
P.E.I.	Symmes, Howard C.,	Aylmer, Q
Macleod, Geo. R., Uigg, P.E.I.	Thompson, Fred. W.,	Coaticook, Q
McKibbin, Fred. W. J., Peterboro, O	Thomson, Clarence,	Montreal
*McKillop, Alex., B.A.	Thomson, Henry N.,	Quebec
Newcombe, Avarad B., Lakeville, N.S.	Travis, Berton C.,	Hampton, N.B
Packard, Frank L.,	Turnbull, John M.,	Montreal
Paradis, Paul,	Walters, Morley,	Hull, Q
Pitcher, Norman C.,	Wilkinson, Chas. T.,	Brockville, O
Ross, John K.,	Yorston, Louis,	Pictou, N.S
Simpson, Colligan D., Westville, N.S	Young, H.B.	
Sise, Charles F.,		Montreal

## THIRD YEAR.

Archibald, Wm. M., Truro, N.S	Killaly, Hamilton M., B.A., Morris-	burg, O
Bayfield, Henry A., Charlottetown,	P.E.I.	McCallum, Arthur,
		Maxwell, O
Chase, Harry A., Kentville, N.S	McDougall, Wm.,	Ormsdown, Q
Clarke, Ernest R.,	Mussen, Horace W.,	Aurora, O
Courtice, Francis E.,	Port Perry, O	Ogilvie, Wm. M., Cumming's Bridge,
Dénis, Théophile,	Montreal	O
Dufresne, Alex. R.,	Ottawa, O	Reinhardt, Carl.,
Gill, J. Lester W.,	Little York, P.E.I.	Montreal
Green, Joseph S. R.,	Montreal	Rutherford, Forrest,
Hare, George G.,	St. John, N.B	Montreal
Howe, Ralph E.,	Hatley, Q	Rutherford, Gordon S.,
Hunter, John W.,	Kingston, O	Montreal
Huestis, Harry B.,	Halifax, N.S	Rutherford, Stewart F.,
Jaquays, Homer M., B.A.,	Montreal	Smiall, Albert E.,
Johnson, Edward P.,	Ottawa	Montreal
Johnson, Wm. S.,	Clapham, Q	Stewart, Robert H.,
Kenny, Thos. F.,	Ottawa	Montreal Jct
		Trenholme, Henry R.,
		Walkem, Geo. A.,
		Kingston, O
		Webb, Wm. M.,
		Petrolia, O
		Wright, Chas. H.,
		Kenfrew, O

## FOURTH YEAR.

Angus, Wm. F.,	Montreal	McDunnough, Ralph B.,	Montreal
Askwith, Wm. R.,	New Edinburgh, O	McNaughton, Peter,	Huntingdon, Q
Baker, Hugh C.,	Ottawa	Moodie, Kenneth,	Chesterville, O
Becket, Frederick M.,	Montreal	Nivin, Thomas F.,	Montreal
Boright, George N.,	Sutton, Q	Primrose, John,	Pictou, N.S
Carter, Wm. F.,	Cowansville, Q	Robins, Sampson P.,	Montreal
Currie, Wm.,	Montreal	Rogers, Frank D.,	Montreal
Dobson, Gilbert S., B.A.,	Dorchester,	Scammell, John Kimball,	St. John,
	N.B		N.B
Dougall, Wilfrid,	Montreal	Scott, Alfred,	Port Hope, O
Greig, Alexander R.,	Montreal	Scott, Walter M.,	Charlottetown,
Griffin, Michael E.,	Georgetown, P.E.I.		P.E.I.
Gwillim, John C.,	Winnipeg, Man	Turner, John A.,	Hamilton, O
Hart, Orobio C.,	Cowansville, Q	Van Barneveld, Charles E.	Grindstone,
Holden, Arthur R., B.A.,	Montreal		Magdalen Isle, Q
King, Robert O.,	Toronto, O	Wilkin, Francis A.,	Calgary, N.W.T
McDougall, George D.,	Amherst, N.S		

\*Partial Student.

## GRADUATES.

Barnes, Howard T., B.A.Sc., Montreal	Herdt, Louis, B.A.Sc., Montreal
Brodie, Alexander, B.A.Sc., Quebec	Mudge, Arthur L., B.A.Sc., Montreal
Gunn, Robert A., B.A.Sc., Montreal	

FACULTY OF COMPARATIVE MEDICINE AND  
VETERINARY SCIENCE.

## FIRST YEAR.

Brennan, F. A., St. Albans	Hilliard, W. A., Minnedosa, Man.
Bruneau, E. A., Montreal	Keay, F. W. (Partial) Phillipsburg
Burns, W., Duluth, Minn	Killam, B. B., Rockville, N.S.
Connelly, T. A., Troy, N.Y.	Matthew, R. G., Sawyerville, Q
Cullen, D., Swampscott, Mass	Moore, J. C., St. Chrysostome
Fahey, J., Mt. Carmel, Conn.	O'Connor, J., Montreal
Grover, A. L., New Brunswick, N.J.	Stevenson, G. T., South Granby
Hall, P., Gloucester, Mass	Sugden, B. A., Alberta
Hart, J. B., Baddeth, N.S.	Thayer, W., Greenfield, Mass
Hay, F., Montreal	

## SECOND YEAR.

Craik, J. E., Allan's Corners	McCarry, J. J., Montreal
Dell, H., London, O	McNider, S., Little Metis
Greer, J., Ormstown, Q	McKeracher, G. P., Howick, Q
Higgins, C. H., Dover, Mass	Morris, E. H., Mexico, Mo.
Ker, F. W., Ormstown, Q	Parker, J. C., Montreal
Ness, J. A., Howick, Q	Richards, S. C., Wales
Newcomb, H. H., Greenfield, Mass	

## THIRD YEAR.

Baldwin, B. K., Philadelphia	Inglis, W. K., Granby, Q
Boutelle, C. A., Danville, Q	Jones, W. V., Wolfville, N.S.
Cowan, A., Montreal	Lehnert, E. H., Clifton, Mass
Cutting, J. C., Cambridge, Mass	Morrin, W. A., Belle Rivière, Q
Clark, H. D., Plainfield, Mass	Patterson, J. H., Montreal
Cleaves, L. S., Bar Harbour Me	Thurston, E. C., Montreal
Hargrave, J. C., Medicine Hat, Assa	Zink, C. H., Philadelphia, Pa

## COLLEGES AFFILIATED IN ARTS.

## MORRIN COLLEGE, QUEBEC.

*Undergraduates.*

Lee, Gertrude A., Quebec	Reid, Andrew D., Leeds, Q
Meiklejohn, Harriet, Quebec	Seifert, Ethel M., Quebec
Pidgeon, Edward L., New Richmond,	

Cairnie,  
Crack,  
Crack,  
Ewing,  
Jones,  
McBurnDuBoyc  
Minns,  
Place, IStude  
“  
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ST. FRANCIS COLLEGE, RICHMOND.

*Undergraduates.*

Cairnie, Lorne,	Melbourne, Q	McIver, Evander,	Melbourne, Q
Crack, Arthur,	Kingsbury, Q	Pope, Charles H.,	Upper Melbourne, Q
Crack, Isaac,	Kingsbury, Q	Rivard, Alfred A.,	Ware, Mass., U.S
Ewing, William,	Melbourne, Q	Tanner, Wm. P.,	Richmond, Q
Jones, Samuel,	Upper Melbourne, Q	Watson, William,	Kingsbury, Q
McBurney, Charles,	Sawyer ville, Q		

STANSTEAD WESLEYAN COLLEGE.

DuBoyce, Percy C.,	Knowlton, Q	Terrill, H. Maud,	Stanstead, Q
Minns, J. Elizabeth,	Coaticook, Q	VanVliet, M. Leonie,	Lacolle, Q
Place, Eden G.,	Millington, Q		

SUMMARY.

Students in Law, McGill College.....	45
“ in Medicine, “.....	403
“ in Arts : “.....	
Men { Graduates.....	6
Undergraduates.....	127
Partial.....	108
Women { Graduates.....	14
Undergraduates.. ..	59
Partial.....	44
Total in Arts including Students from other Faculties, about.....	600
Students in Arts, Morrin College.....	5
“ “ “ St. Francis College.....	11
“ “ “ Stanstead Wesleyan College ..	5
“ “ Applied Science, McGill College :—	
{ Undergraduates.....	157
Partial .....	20
{ Graduates.....	5
“ Veterinary Science.....	49
	1,058
McGill Normal School, Teachers-in-training.....	175
	1,233
Deduct, repeated in different lists.....	11
Total.....	1,222

Montreal  
Montreal

AND

Medosa, Man.  
Phillipsburg  
Kville, N.S.  
Sawyer ville, Q  
Chrysostome  
Montreal  
South Granby  
Alberta  
Winfield, Mass

Montreal  
Little Metis  
Howick, Q  
Mexico, Mo.  
Montreal  
Wales

Granby, Q  
Wolfville, N.S.  
Hinton, Mass  
Le Rivière, Q  
Montreal  
Montreal  
Philadelphia, Pa

Leeds, Q  
Quebec

# Donations to the Library.

APRIL, 1894, TO APRIL, 1895.

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## Observatory.

Latitude, N.  $45^{\circ} 30' 17''$ . Longitude,  $4^{\text{h}}, 54^{\text{m}}, 18^{\text{s}}, 65$ .

Height above sea level 187 ft.

*Superintendent.*—C. H. McLEOD, MA.E.

*Assistants.* } JAMES STEVENSON, B.A.SC.  
                  } W. F. CARTER, B.A.SC.

*Meteorological Observations* are made every fourth hour, beginning  $3^{\text{h}} 0^{\text{m}}$  Eastern standard time; also at  $8^{\text{h}} 0^{\text{m}}$  and  $20^{\text{h}} 0^{\text{m}}$ . Independent bi-hourly temperature observations are also made. The principal instruments employed are the following:—Two standard mercurial barometers; one Kew standard thermometer; two Pastorelli thermometers; one maximum thermometer; one minimum thermometer; one set of six self recording thermometers, with controlling clock, battery, etc.; two anemometers; one wind vane (wind-mill pattern); one anemograph, with battery, etc.; one sunshine recorder; one rain-band spectroscope; and one rain gauge.

The Anemometer and Vane are on the summit of Mount Royal, at a point about three-quarters of a mile northwest of the Observatory. They are 57 feet above the surface of the ground and 810 feet above sea level.

*The Astronomical Equipment* consists of:—The Blackman Telescope ( $6\frac{1}{4}$  in.); a photoheliograph ( $4\frac{1}{2}$  in.); a  $3\frac{1}{4}$  in. transit, with striding level, etc.; a prismatic (8 c.m.) transit instrument also arranged as a zenith telescope, a 2 in. transit in the prime vertical; two collimating telescopes; one sidereal clock; one meantime clock; one sidereal chronometer; one meantime chronometer; one chronograph; batteries, telegraph lines and sundry minor instruments.

Observations for clock errors are made on nearly every clear night. Time exchanges are regularly made with the Toronto Observatory. Time signals are distributed throughout the city by means of the noon time-ball, continuous clock signals, and the fire alarm bells; and to the country, through the telegraph lines.

Observations of sun spots, for position and area, are made with the Blackman telescope and the photoheliograph.

Courses of instruction are given in the use of the meteorological instruments see parag.—, page—, and in astronomical work to the Fourth Year Students in the Civil Engineering Courses.

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## University Gymnasium.

*Medical Examiner and Instructor.*—R. TAIT MCKENZIE, B.A., M.D.

The classes, which are open to Students of all the Faculties, will meet at the University Gymnasium, at hours to suit, as far as possible, the convenience of Students, and which will be announced at the commencement of the Session.

The recent addition of some special apparatus enables the instructor to devote some attention to the application of exercise in treating special cases of weakness or deformity, which it is requested shall be reported to him before the regular class work is undertaken.

THE WICKSTEED SILVER AND BRONZE MEDALS FOR PHYSICAL CULTURE (the gift of Dr. R. J. Wicksteed) are offered for competition to Students of the graduating class and to Students who have had instruction in the Gymnasium for two sessions: the silver medal to the former, the bronze medal to the latter.

The award of these medals is made by Judges, appointed by the Corporation of the University.

Every competitor for the silver medal is required to lodge with the Judges, before the examination, a certificate of good standing in the graduating class signed by the Dean or Secretary of the Faculty to which he belongs, and the medal will not be awarded to any Student who may fail in his examination for the degree.

Classes for the Students of the DONALDA SPECIAL COURSE FOR WOMEN will be conducted by MISS BARNJUM at hours found most suitable.

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## University Societies.

### GRADUATES' SOCIETY OF MCGILL UNIVERSITY.

The Graduates' Society of McGill University, which existed prior to 1853 was incorporated in 1880. Its objects are:

- (A) To raise funds for the promotion of University affairs and special objects.
- (B) To furnish a bond of union between the Graduates and the Governing body.
- (C) To promote union between the Undergraduates and Graduates.

OFFICERS FOR 1895-6.

*President:*

Prof. FRANK D. ADAMS, M.A.Sc., Ph.D., F.G.S.A.

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*Vice-Presidents :*

HELEN R. Y. REID, B.A., JEANNIE N. BOTTERELL, B.A., Prof. MALCOLM C. BAKER, D.V.S.

*Treasurer :*

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*Secretary :*

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*Non-Resident Councillors.*—W. J. Bulman, B.A., Charlottetown, P.E.I.; Hon. Justice Lynch, Knowlton, P.Q.; J. J. Maclaren, Q.C., Toronto, O.; Sir James Grant, M.D., Ottawa, O.; E. H. Hamilton, B.A., Sc., Denver, Col.; A. O. W. Colquhoun, B.A., Toronto, O.

*Auditors.*—Alex. Falconer, B.A., B.C.L., R. A. Dunton, B.C.L.

Secretary's Address, 2367 St. Catherine St., Montrea l.

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**OTTAWA VALLEY GRADUATES' SOCIETY.**

ORGANIZED 1890.

OFFICERS FOR 1894-5.

*Honorary President :*

SIR JAMES A. GRANT, K.C.M.G., M.D., C.M., F.G.S., M.P., etc.

*President :*

HENRY P. WRIGHT, M.D., C.M.

*Vice-Presidents :*

ROBERT CASSELS, B.A., Q.C.; D. B. DOWLING, B.A.Sc.  
R. H. CONROY, B.C.C.

*Treasurer :*

R. W. ELLIS, M.A., LL.D

*Secretary :*

HENRY M. AMI, M.A., D.Sc., F.G.S.

*Committee.*—Dr. W. Cousens, Dr. Sydney P. Cooke (Hull, Q.); Dr. R. H. W. Powell, Dr. Alex. H. Harris, D.V.S.; Walter F. Ferrier, B.A.Sc.

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**UNDERGRADUATES' LITERARY SOCIETY.**

CONSTITUTED 1880.

OFFICERS FOR 1894-95.

<i>President :</i>	A. C. HANSON, ARTS.
<i>1st Vice-President :</i>	J. C. ROBERTSON, Arts.
<i>2nd Vice-President :</i>	V. E. MITCHELL, Law.
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<i>Assistant Secretary :</i>	E. M. CAMPBELL, Arts.

*Committee.*—E. E. HOWARD, R. H. ROGERS, C. MANSUR, B.A., G. MCLEOD, W. G. BISHOP.

**MCGILL COLLEGE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

**OBJECT.**—To promote the piety of its members and the cause of Christianity in the University.

**MEMBERSHIP.**—The active Membership of the Association shall consist of Graduates and Students of the University who are members of some Protestant church. Any Graduate and Student of good moral character may become an associate member. A social reception is given to new students at the beginning of the session.

SESSION 1895-96.

*Hon. President :*

SIR J. WM. DAWSON, LL.D., F.R.S.

*President*—PERCY C. LESLIE, Med., '96.*1st Vice-President*—J. C. ROBERTSON, Arts, '96.*2nd Do* F. W. KEE, Comp. Med., '96.*Recording Sec.*—A. R. ROSS, Arts, '97.*Treasurer*—F. A. CORBETT, B.A., Med., '96.*Assistant Treas.*—A. B. NEWCOMBE, App. Sc., '97.*Representative from Law*—WM. PATTERSON, M.A.*General Secretary*—N. D. KEIGH, B.A.

COLM C.

n, B.A.,  
, A. R.P.E.I.;  
, O.; Sir  
Col.; A.

etc.

Dr. R. H.,  
A.Sc.

## CHAIRMEN OF COMMITTEES.

*Religious Meeting*—R. O. ROSS, B.A., Med., '96.

*Bible Study*—H. P. ARCHIBALD, App. Sc., '98.

*Social*—C. OGILVY, B.A., Med., '98.

*Membership*—GENERAL SECRETARY.

*Musical*—A. F. POLLOCK, Cong. Coll., '98.

*Missionary*—S. H. MALLINSON, Arts, '97.

*Finance*—F. A. CORBETT, B.A., Med., '96.

*Hand Book*—GENERAL SECRETARY.

*Building*—THE PRESIDENT.

*Graduate*—D. J. EVANS, M.D.

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McGILL UNIVERSITY ATHLETIC ASSOCIATION.

ESTABLISHED 1884.

*Hon. President.*

C. J. FLEET, B.C.L.

*President.*

T. TETREAU, Med.

*Vice-President.*

G. DRINKWATER, App. Sc.

*Secretary.*

K. MOLSON, Arts.

*Hon. Treasurer.*

W. A. CARLYLE, MA.E.

*Treasurer.*

H. M. KILLALY, B.A.

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**MCGILL GLEE AND BANJO CLUB.**

OFFICERS FOR SESSION 1895-96.

*Hon. President*—E. B. Greenshields, B.A.  
*President*—A. F. Edwards, Med., '96.  
*Vice-President*—A. E. Heney, Med., '98.  
*Secretary*—O. S. Finnie, Sc., '97.  
*Leader of Glee Club*—E. P. Bovey, Sc., '97.  
*Assistant Leader of Glee Club*—C. F. Morrison, Med., '96.  
*Leader of Banjo Club*—R. B. McDunnough, B.A.Sc.  
*Business Manager*—W. F. Carter, B.A.Sc. (Pro tem.).

**DELTA SIGMA SOCIETY.**

ESTABLISHED 1884.

Officers for 1894-95.

*President*—Susan Cameron.  
*Vice-President*—Winona Pitcher.  
*Secretary-Treasurer*—Marjorie L. Holden.  
*Assistant Secretary*—Muriel B. Carr.  
*Committee*—Misses Hammond, Savage and Raynes, B.A.

**YOUNG WOMEN'S CHRISTIAN ASSOCIATION.**

ESTABLISHED 1887 (AS THEO DORA SOCIETY).

OBJECT.—The development of Christian character in the members, and the development of active Christian work particularly among the young women of the University. Open for membership to students of the Donalda special course for women.

SESSION 1895-96.

*President*—Mary Olive Vaudry.  
*Vice-President*—A. Louise Smith.  
*Corresponding Secretary*—Mabel H. Walbridge.  
*Recording Secretary*—Jean P. Cowan.  
*Treasurer*—Alice G. Steen.

*Convener of Devotional and Bible Study Committee.*

Marjorie L. Holden.

*Convener of Theo Dora (Missionary) Committee.*

Elizabeth Ross.

*Convener of Membership Committee.*

Jeanette Macphail.

*Convener of Relief Committee.*

Mary McCuaig.

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**McGILL COLLEGE CLASSICAL CLUB.**

For the purpose of fostering a greater interest in and promoting the further study of Classical Languages, Literature and Art.

Officers for 1895-96.

*Hon. President*—A. Judson Eaton, Ph.D.

*President*—McIntosh Major, '95.

*Vice-President*—Wm. S. Ferguson, '96.

*Secretary*—Wilfrid G. Cole, '96.

*Treasurer*—D. W. Munn, '98.

*Executive Committee*—R. H. Ker, '97; M. C. Heine, '98; F. C. Saunders, 96.

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## REGULATIONS

CONCERNING

## THE COLLEGE GROUNDS AND ATHLETICS.

All matters relating to the management of the College grounds and of Outdoor Athletics and Sports are under the control of a Committee consisting of:

- One Governor.
- The Principal.
- One Member of the Faculty of Arts.
- One Member of the Faculty of Applied Science.
- One Member of the Faculty of Law.
- One Member of the Faculty of Medicine.
- One Member of the Faculty of Comp. Medicine.
- One Graduate.
- One Undergraduate, member of the Football Club.
- One Undergraduate, member of the Tennis Clubs.
- One Undergraduate, member of the Cricket Club.
- One Undergraduate, member of the Hockey Club.
- The President of the Athletic Association.

The following extracts are made from the rules and regulations of the Committee for the guidance of Members of the University and the several Athletic Clubs and Associations which are from time to time permitted to use the grounds :

The University and McTavish Street gates shall be closed between 6 p.m. and 7 a.m. on week days and the whole day on Sundays.

The Sherbrooke Street gates shall be closed between 10 p.m. and 6 a.m.

Such persons as are entitled to use the Grounds shall be provided with tickets renewable each year.

Those entitled to tickets are the Members of the University and prominent Benefactors, and the families of Governors and Professors.

The several Clubs shall be permitted to issue special tickets (without charge), entitling the holders to admission to the Grounds for the purpose of viewing matches, or for other special occasions of public interest.

All Students desirous of taking part in football matches, or otherwise engaging in violent athletic contests, must pass a medical examination, to be held under the direction of the Superintendent of the Gymnasium. A complete record of all such examinations shall be kept by the Superintendent or other officer appointed to this duty.

All Clubs must submit their Regulations, Rules and By-Laws, and any changes in the same, for the approval of the Committee. They must make application for the use of such portions of the Grounds as they require and for any special privileges.

The Athletic Association must submit its programme for each year for the approval of the Committee.

BENEFACTORS OF

McGill University, Montreal.

I. GENERAL ENDOWMENTS AND SUBSCRIPTIONS FOR THE UNIVERSITY AND THE FACULTY OF ARTS.

1. ORIGINAL ENDOWMENT, 1811.

THE HONORABLE JAMES MCGILL, who was born at Glasgow, 6th Oct., 1744, and died at Montreal, 19th Dec., 1813, by his last will and testament, under date 8th January, 1811, devised the Estate of Burnside, situated near the City of Montreal, and containing forty-seven acres of land, with the Manor House and Buildings thereon erected, and also bequeathed the sum of ten thousand pounds in money unto the "Royal Institution for the Advancement of Learning," a Corporation constituted in virtue of an Act of Parliament passed in the Forty-first Year of the Reign of His Majesty, King George the Third, to erect and establish a University or College, for the purpose of Education and the advancement of learning, in the Province of Lower Canada, with a competent number of Professors and Teachers to render such Establishment effectual and beneficial for the purposes intended; requiring that one of the colleges to be comprised in the said University should be named and perpetually be known and distinguished by the appellation of "McGill College."

The value of the above-mentioned property was estimated at the date of the bequest at.....\$120,000

2. UNIVERSITY BUILDINGS, ETC.

THE WILLIAM MOLSON HALL, being the west wing of McGill College buildings with the connecting Corridors and Class Rooms, was erected in 1861, through the munificent donation of the founder whose name it bears.

THE PETER REDPATH MUSEUM, the gift of the donor whose name it bears, was announced by him as a donation to the University in 1880, and formally opened August, 1882.

THE WILLIAM C. McDONALD Physics building, and equipment of same, the gift of William C. McDonald, Esq., announced by him as a gift to the University in 1890, and formally opened February, 1893.

LOTS for University buildings adjoining the College grounds confronting on McTavish St., presented by J. H. R. Molson, Esq.,—\$42,500.

THE PETER REDPATH LIBRARY BUILDING, the gift of Peter Redpath, Esq., announced by him as a gift to the University in 1891, and formally opened Oct. 31st, 1893.

3. THE DONALDA ENDOWMENT FOR THE HIGHER EDUCATION OF WOMEN.

This endowment, given by the Honorable Sir Donald A. Smith of Montreal, is for the education of women in the subjects of the Faculty of Arts, up to the standard of the examination for B.A., in classes wholly separate, to constitute a separate Special Course or College for women,—\$120,000.

4. ENDOWED CHAIRS, ETC.

THE MOLSON CHAIR OF ENGLISH LANGUAGE AND LITERATURE, in 1856, endowed by the Honorable John Molson, Thomas Molson, Esq., and William Molson, Esq.,—\$20,000, and supplemented in 1892 by John H. R. Molson, Esq., with a further sum of \$20,000. Total \$40,000.

- THE PETER REDPATH CHAIR OF PURE MATHEMATICS (founded as Chair of Natural Philosophy), in 1871, endowed by Peter Redpath, Esq.,—\$20,000.
- THE LOGAN CHAIR OF GEOLOGY, in 1871, endowed by Sir W. E. Logan, LL.D., F.R.S., and Hart Logan, Esq.,—\$20,000.
- THE JOHN FROTHINGHAM CHAIR OF MENTAL AND MORAL PHILOSOPHY, in 1873, endowed by Miss Louisa Frothingham,—\$20,000, and supplemented in 1891 with a further sum of \$20,000. Total \$40,000.
- THE MAJOR HIRAM MILLS CHAIR OF CLASSICS in 1882, endowed by the last will of the late Major Hiram Mills of Montreal,—\$42,000.
- THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of \$40,000, half of which is devoted to the Faculty of Arts.
- THE WILLIAM C. McDONALD CHAIRS OF PHYSICS, endowed by William C. McDonald, Esq., in 1890,—\$50,000; in 1893, \$50,000. Total \$100,000.
- THE JOHN FROTHINGHAM PRINCIPAL FUND, to be invested for the endowment of the Principalship of the University; founded by the Rev. Frederick Frothingham and Mrs. J. H. R. Molson,—\$40,000.
- THE CHARLES GIBB BOTANICAL ENDOWMENT, received by subscriptions, the endowment to be invested by the Board of Governors and the income devoted to the maintenance of the Chair of Botany in the Faculty of Arts, and to procuring appliances therefor.
- A Friend,— \$8,000.  
Mrs Catherine Hill,—\$200.
- W. C. McDONALD PHYSICS BUILDING Maintenance Fund, endowed by W. C. McDonald, Esq., to be invested and interest used to meet the expense of Heating, Lighting, Insurance, and salary of caretaker,—\$40,000.

#### 5. ENDOWMENT FOR PENSION FUND.

This endowment is given to be invested and kept as a Special Fund, the revenue arising from which to be used exclusively for providing Pensions or Retiring Allowances for members of the teaching staff of the Faculties of Arts and Applied Science.

Hon. Sir Donald A. Smith,	\$50,000 00
John H. R. Molson, Esq.,	50,000 00
William C. McDonald, Esq.,	50,000 00
Total	\$150,000 00

#### 6. EXHIBITIONS AND SCHOLARSHIPS, ETC.

- THE JANE REDPATH EXHIBITION, in the Faculty of Arts.—founded in 1868 by Mrs. Redpath, of Terrace Bank, Montreal, and endowed with the sum of \$1,667.
- THE McDONALD SCHOLARSHIPS AND EXHIBITIONS, 10 in number, in the Faculty of Arts—founded in 1871, and endowed in 1882 with the sum of \$25,000, by William C. McDonald, Esq.
- THE CHARLES ALEXANDER SCHOLARSHIP, for Classics—founded in 1871 by Charles Alexander, Esq. Endowed in 1893 with the sum of \$2,000.
- THE BARBARA SCOTT SCHOLARSHIP FOR CLASSICAL LANGUAGE AND LITERATURE—founded by the last will of the late Miss Barbara Scott of Montreal, in the sum of \$2,000 in 1884.
- THE GEORGE HAGUE EXHIBITION—founded in 1881 in the Faculty of Arts.—Annual value, \$125.
- THE MAJOR HIRAM MILLS MEDAL AND SCHOLARSHIP—in the Faculty of Arts, founded by the will of the late Major Hiram Mills of Montreal, and endowed with the sum of \$1,500.
- T. M. THOMPSON, Esq.,—\$250 for two Exhibitions in September, 1871; \$200 for two Exhibitions in 1872,—\$450.
- REV. COLIN C. STUART—for the "Stuart Prize in Hebrew,"—\$60.
- THE TAYLOR SCHOLARSHIP—founded in 1871, by T. M. Taylor, Esq.—Annual value \$100.—terminated in 1878.

- PROFESSOR ALEXANDER JOHNSON—for Scholarship for 3 Sessions, terminated 1886-87,—\$350.
- HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarships for 1891 and 1893, value £150 annually, tenable for two years.
- THE PHILIP CARPENTER FELLOWSHIP—founded by Mrs. Philip Carpenter, for the Maintenance of a Post-Graduation Teaching Fellowship or Scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College, endowed with the sum of \$7,000.
- A Lady, to provide four free tuitions in the Faculty of Arts for sessions 1892-3 and 1893-4.

## 7. ENDOWMENTS OF MEDALS AND PRIZES.

- In 1856 Henry Chapman, Esq., founded a gold medal, to be named the "Henry Chapman Gold Medal," to be given annually in the graduating class in Arts. This Medal was endowed by Mr. Chapman in 1874, with the sum of \$700.
- In 1860 the sum of £200, presented to the College by H.R.H. the Prince of Wales, was applied to the foundation of a Gold Medal, to be called the "Prince of Wales Gold Medal," which is given in the graduating class for Honour Studies in Mental and Moral Philosophy.
- In 1864 the "Anne Molson Gold Medal" was founded and endowed by Mrs. John Molson of Belmont Hall, Montreal, for an Honour Course in Mathematics and Physics.
- In the same year the "Shakespeare Gold Medal," for an Honour Course, to comprise and include the works of Shakespeare and the Literature of England from his time to the time of Addison, both inclusive, and such other accessory subjects as the Corporation may from time to time appoint, was founded and endowed by citizens of Montreal, on occasion of the three hundredth anniversary of the birth of Shakespeare.
- In the same year the "Logan Gold Medal," for an Honour Course in Geology and Natural Science, was founded and endowed by Sir William Logan LL.D., F.R.S., F.G.S., etc.
- In 1874 a Gold and a Silver Medal were given by His Excellency the Earl of Dufferin, Governor General of Canada, for competition in the Faculty of Arts, and continued till 1878.
- In 1875 the "Neil Stuart prize in Hebrew" was endowed by Neil Stuart, Esq., of Vankleek Hill, in the sum of \$340.
- In 1880 a Gold and a Silver Medal were given by His Excellency the Marquis of Lorne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science; continued till 1883.
- In 1883 a Gold, Silver and Bronze Medal were given by R. J. Wicksteed, Esq. M.A., LL.D., for competition in "Physical Culture," by Students in the Graduating Class and 2nd year, who have attended the University Gymnasium. The Gold Medal was continued to 1889 and the Silver and Bronze have been continued to date.
- In 1884 a Gold and a Silver Medal were given by His Excellency the Marquis of Lansdowne, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science, continued till 1888.
- In 1888 a Gold and a Silver Medal were given by His Excellency Lord Stanley, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.
- THE "CHARLES G. COSTER MEMORIAL PRIZE" for general proficiency—given annually by Colin H. Livingstone, Esq., B.A., founded in 1889.
- In 1894 a Gold and a Silver Medal were given by His Excellency The Earl of Aberdeen, Governor General of Canada, the former for competition in the Faculty of Arts, the latter for competition in the Faculty of Applied Science.

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Andre  
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Sir Jo  
Mrs. J  
Alexa  
Miss C  
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George



## 8. SUBSCRIPTIONS TO GENERAL ENDOWMENT.

1856.

John Gordon McKenzie, Esq.....	\$2000	Charles Alexander, Esq.....	\$600
Ira Gould, Esq.....	2000	Moses E. David, Esq.....	600
John Frothingham, Esq.....	2000	Wm. Carter, Esq.....	600
John Torrance, Esq.....	2000	Thomas Patton, Esq.....	600
James B. Greenshields, Esq.....	1200	Wm. Workman, Esq.....	600
William Busby Lambe, Esq.....	1200	Hon. Sir A. T. Galt.....	600
Sir George Simpson, Knight.....	1000	Hon. Luther H. Holton.....	600
Henry Thomas, Esq.....	1000	Henry Lyman, Esq.....	600
John Redpath, Esq.....	1000	David Torrance, Esq.....	600
James McDougall, Esq.....	1000	Edwin Atwater, Esq.....	600
James Torrance, Esq.....	1000	Theodore Hart, Esq.....	600
Hon. James Ferrier.....	1000	Wm. Forsyth Grant, Esq.....	600
Harrison Stephens, Esq.....	1000	Robert Campbell, Esq.....	600
Henry Chapman, Esq.....	600	Alfred Savage, Esq.....	600
Honorable Peter McGill.....	600	James Ferrier, jun., Esq.....	600
John James Day, Esq.....	600	William Stephen, Esq.....	600
Thomas Brown Anderson, Esq.....	600	N. S. Whitney, Esq.....	600
Peter Redpath, Esq.....	600	William Dow, Esq.....	600
Thomas M. Taylor, Esq.....	600	William Watson, Esq.....	600
Joseph McKay, Esq.....	600	Edward Major, Esq.....	600
Donald Lorn McDougall, Esq.....	600	Hon. Charles Dewey Day.....	200
Hon. Sir John Rose.....	600	John R. Esdaile, Esq.....	200

1871.

William Molson, Esq.....	\$5000	T. W. Ritchie, Esq.....	\$600
Wm. C. McDonald, Esq.....	5000	Messrs. A. & W. Robertson.....	600
Thomas Workman, Esq.....	5000	Messrs. Sinclair, Jack & Co.....	250
John Frothingham, Esq.....	5000	John Reddy, M.D.....	100
J. H. R. Molson, Esq.....	5000	Wm. Lunn, Esq.....	100
John McLennan, Esq.....	2000	Kenneth Campbell, Esq.....	100
B. Gibb, Esq.....	600	R. A. Ramsay, Esq.....	100
W. Notman, Esq.....	600	Wm. Rose, Esq.....	50

1881-2.

Hugh McLennan, Esq.....	\$5000	O. S. Wood, Esq.....	\$1000
G. A. Drummond, Esq.....	4000	J. S. McLachlan, Esq.....	1000
Geo. Hague, Esq.....	3000	J. B. Greenshields, Esq (London)	1000
M. H. Gault, Esq.....	2000	Warden King, Esq.....	1000
Andrew Robertson, Esq.....	1000	W. B. Cumming, Esq.....	1000
Roberson Campbell, Esq.....	1000	Mrs. Hew Ramsay.....	500
Sir Jos. and Lady Hickson.....	1000	R. A. Ramsay, Esq.....	500
Mrs. Andrew Dow.....	1000	H. H. Wood, Esq.....	500
Alexander Murray, Esq.....	1000	James Burnett, Esq.....	500
Miss Orkney.....	1000	Charles Gibb, Esq.....	500
Hector McKenzie, Esq.....	1000		

1883-84.

Edward Mackay, Esq.....\$5000

## 9. SUBSCRIPTIONS FOR CURRENT EXPENSES, 1881-82.

Principal Dawson.....	\$1000	Being.....	\$1000
J. H. R. Molson.....	1000	Per annum, 5 years, being.....	5000
George Stephen, Esq.....	1000	“ “ “.....	5000

Hon. Donald A. Smith .....	1000	Per annum, 5 years, being .. .	5000
David Morrice, Esq.....	200	“ “ .....	1000
Messrs. Gault Brothers & Co....	200	“ “ .....	1000
Messrs. S. H. & A. S. Ewing...	200	“ “ .....	1000
Hon. Robert Mackay .....	300	Per annum, 2 years, being .....	600
Jonathan Hodgson, Esq. ....	100	“ 5 “ .....	500
Geo. M. Kinghorn, Esq.....	100	“ 5 “ .....	500
Thomas Craig, Esq.....	100	“ 2 “ .....	200
John Rankin, Esq .....	200	Being.....	200
John Duncan, Esq.....	200	“ .....	200
Robert Benny, Esq.....	100	“ .....	100
Miss E. A. Ramsay.....	100	“ .....	100
Hugh Paton, Esq.....	50	For 2 years, being.....	100
George Brush, Esq.....	25	For 5 years, being .....	125
J. M. Douglas, Esq.....	50	Being.....	50
James Court, Esq.....	50	“ .....	50
David J. Greenshields, Esq.....	300	“ .....	300

1887-88.

John H. R. Molson, Esq.....	\$1000	Per annum, 3 years, being.. ..	\$3000
W. C. McDonald, Esq .....	1000	“ “ “ .....	3000
Peter Redpath, Esq .....	1000	“ “ “ .....	3000
Hon. Sir D. A. Smith, K.C.M.G.	1000	“ “ “ .....	3000
Hon. James Ferrier .....	500	“ “ “ .....	1500
Sir Joseph Hickson .....	500	“ “ “ .....	1500
Hugh McLennan, Esq .....	250	“ “ “ .....	750
E. B. Greenshields, Esq.....	250	“ “ “ .....	750
George Hague, Esq .....	250	“ “ “ .....	750
John Molson, Esq .....	250	“ “ “ .....	750
Samuel Finley, Esq .....	250	“ “ “ .....	750
Mrs. Mackay, \$100.00 annually, 1889 to 1893.....			\$500

10. TO PROVIDE SESSIONAL LECTURERS, ETC.

Hon. Sir Donald A. Smith,	1891-92 .....	\$3500
do	1892-93.....	4000
do	1893-94.....	4000
do	1894-95.....	4000
Mrs. John H. R. Molson,	1891-92.....	300
do	1892-93 .....	1000
do	1893-94.....	1000
do	1894-95.....	1000
W. C. McDonald, to provide for certain salaries in the Department of Physics, etc., session 1894-95 .....		\$1430

II. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF APPLIED SCIENCE.

I. BUILDINGS, CHAIRS, ETC.

- THE WILLIAM SCOTT CHAIR OF CIVIL ENGINEERING, in 1884, endowed by the last will of the late Miss Barbara Scott, of Montreal,—\$30,000.
- THE DAVID J. GREENSHIELDS CHAIR OF CHEMISTRY AND MINERALOGY in the Faculties of Arts and Applied Science, in 1883, endowed by the last will of the late David J. Greenshields, Esq., of Montreal, with the sum of \$40,000, half of which is devoted to Faculty of Applied Science.
- THE THOMAS WORKMAN DEPARTMENT OF MECHANICAL ENGINEERING—founded under the last will of the late Thomas Workman, Esq., and endowed with the sum of \$117,000. The sum of \$60,000 for the maintenance of Chair of Me-

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chanical Engineering, with the assistance, shops, machinery and apparatus necessary thereto, \$57,000 to be expended in provision of necessary buildings, machinery and apparatus. Any balance of this to be added to the invested endowment for the maintenance of the said Department.

WILLIAM C. McDONALD, Esq., toward erection of Thomas Workman Workshops, \$20,000.

THE WILLIAM C. McDONALD ENGINEERING BUILDING, and Equipment of same — announced by the donor as a gift to the University in 1890, and formally opened February, 1893.

THE WILLIAM C. McDONALD CHAIR OF ELECTRICAL ENGINEERING, endowed by William C. McDonald, Esq., in 1891, with the sum of \$40,000.

McDONALD ENGINEERING BUILDING Maintenance Fund, endowed by W. C. McDonald, Esq., in 1892, the income to be devoted to paying for Heating, Lighting, Insurance and Salary of Mechanician,—\$45,000.

2. ENDOWMENT FOR PENSION FUND.

This endowment is given to be invested and kept as a Special Fund, the revenue arising from which to be used exclusively for providing Pensions or Retiring Allowances for members of the teaching staff of the Faculties of Arts and Applied Science :

Hon. Sir Donald A. Smith,	\$50,000
John H. R. Molson, Esq.,	50,000
Wm. C. McDonald, Esq.,	50,000

Total ... \$150,000

3. EXHIBITIONS AND SCHOLARSHIPS.

THE SCOTT EXHIBITION—founded by the Caledonian Society of Montreal, in commemoration of the Centenary of Sir Walter Scott, and endowed in 1872 with the sum of \$1,100 subscribed by members of the Society and other citizens of Montreal. The Exhibition is given annually in the Faculty of Applied Science—Annual value \$60.

THE BURLAND SCHOLARSHIP—founded 1882, by J. H. Burland, B.A.Sc., \$100 for a Scholarship in Applied Science, for three years, being \$300.

HER MAJESTY'S COMMISSION for the Exhibition of 1851—Nomination Scholarships for 1891 and 1893, value £150 annually, each tenable for two years.

THE DR. T. STERRY HUNT SCHOLARSHIP—founded by the will of the late Dr. T. Sterry Hunt, and endowed with the sum of \$2566 66, the income to be given and paid annually to a student or students of Chemistry.

4. MEDALS AND PRIZES.

In 1885 the British Association Gold Medal, for competition in the Graduating class in the Faculty of Applied Science, was founded by subscription of members of the British Association for the Advancement of Science, and by gift of the Council of the Association, in commemoration of its meeting in Montreal in the year 1884.

(See also under Medals and Prizes in Section 1.)

5. ENDOWMENTS AND SUBSCRIPTIONS FOR MAINTENANCE OF FACULTY OF APPLIED SCIENCE.

*Endowment Fund.*

Daniel Torrance, Esq .....	\$5000	Graduates' Endowment Fund—	
George Moffatt, Esq .....	1000	Class 1890—\$70.00 a year for 5	
Charles J. Brydges Esq.....	1000	years.....	\$350

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*Class Rooms for Faculty of Applied Science, 1888.*

John H. R. Molson, Esq ..... \$3000 | W. C. McDonald, Esq..... ..... \$3000

*Surveying and Geodetic Apparatus.*

W. C. McDonald, Esq..... ..... 1500

6. LIST OF SUBSCRIBERS AND DONORS TO THE EQUIPMENT OF THE  
NEW ENGINEERING BUILDINGS OF MCGILL UNIVERSITY, TO  
MAY, 1894.

Mrs. J. McDougall.....	\$4000	A. Bremner, Esq.....	\$50
R. Hersey, Esq.....	1200	Camobell Tile Co., England, per	
R. Reford, Esq.....	1000	Jordan & Locker .....	Equipment
Messrs. Garth & Co.....	500	F. Chadwick, Esq.....	Truss Models
Messrs. Warden King & Son .....	534	Crosby Steam Valve Co., Boston	
Messrs. Jordan & Locker.....	Equipment	Indicator & Valves	
W. Ogilvie, Esq.....	\$500	John Date, Esq.....	Equipment
J. A. Pillow, Esq.....	250	D. Drysdale, Esq.....	Tools
James Shearer, Esq.....	200	R. Forsyth, Esq.....	Equipment
G. W. Reed, Esq.....	100	Messrs. Frothingham & Workman	
Messrs. A. Ramsay & Son.....	100	Tools	
F. Scholes, Esq.....	100	W. E. Gower, Esq.....	
Messrs. W. McNally & Co.....	100	Messrs. Hearn & Harrison, per L.	
A. Ewan, Esq.....	100	Harrison, Esq.....	Barometer & Clock
Mrs. Redpath.....	100	A. Holden, Esq.....	Equipment
E. Chanteloup, Esq.....	50	John Kennedy, Esq.....	Equipment
Charles Sheppard, Esq.....	200	J. Laurie & Bro.....	Compound Engine
G. Sadler, Esq. (Robin & Sadler).		G. Brush, Esq.....	Boiler
Belting (\$400)		Messrs. Miller Bros. & Toms ..	Elevator
R. Reid, Esq.....	Equipment	W. Kennedy, Esq., Owen Sound, Pump	
P. Mitchell, Esq.....	Equipment (\$300)	Messrs. R. & W. Kerr.....	Tools
Messrs. Twyford & Co.....	Equipment	A. J. Lawson, Esq.....	Equipment
D. McLaren, Esq.....	\$100	Messrs. D. & J. McCarthy, Sorel...\$300	
J. Robertson, Esq.....	Equipment	Norton (The) Emery Wheel Co.,	
Kenneth Campbell, Esq.....	\$50	Worcester, U.S.....	Equipment
R. G. Reid, Esq.....	1000	Wm. Notman, Esq.....	Photographs
W. Drysdale, Esq.....	Tools	Radiator Co., Toronto.....	\$500
A. Macpherson, Esq.....	Tools	E. M. Renouf, Esq.....	Books
Swan Lamp Mfg. Co.....	Lamps	Scovill Manufacturing Co.....	Equipment
Messrs. E. & C. Gurney & Co.....	\$604	P. W. St. George, Esq.....	Models
James Ross, Esq.....	500	Messrs. Tees & Co.....	Equipment
H. R. Ives, Esq.....	Cupola	Messrs. James Walker & Co.....	Tools
G. R. Prowse, Esq.....	Equipment	George Bishop, Esq.....	Equipment
Jonathan Hodgson, Esq.....	\$200	The Edison General Electric Co....	
Messrs. Hughes & Stephenson		Two 450 light dynamos	
Equipment		The Whittier Machine Co. (Boston).	
W. H. Hutton, Esq.....		Electric Elevator	
G. A. Grier, Esq.....	Equipment	The Thomson-Houston Co. (Bos-	
S. Carsley, Esq.....	\$100	ton).....	Incandescent dynamos
H. Graham, Esq.....	100	The Royal Electric Co.....	
E. W. Rathbun, Esq.....	112	12 Arc Light dynamos	
Messrs. Brodie & Harvey .....	50	W. Rutherford, Esq.....	Equipment
W. Abbott, Esq.....	Equipment	Messrs. J. Bertram & Sons (Dun-	
Henry Birks, Esq.....	Clock	das).....	24in. Planer
Kennet Blackwell, Esq.....	Equipment	Messrs. R. W. Gardner & Son.....	
		16in. Lathe	

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- Dominion Wire Manfg. Co., per  
F. Fairman, Esq..... Shaper  
The B. F. Sturtevant Co. (Boston)  
Blowers  
The Geo. Blake Pump Co. (New  
York and Boston)..... Pump  
Ashton Valve Co. (Boston).....  
Sectional Valve  
Messrs. Siemens Bros. (London,  
Eng.)..... Cable Samples  
A. T. Taylor, Esq..... \$300  
H. T. Povey, Esq..... Books  
The National Electric Mfg Co...  
Transformers  
W. C. McDonald, Esq..... Equipment  
M. Parker, Esq..... Equipment  
Messrs. Robb & Armstrong .....  
80 H. P. High Speed Engine  
Messrs. Pratt & Whitney (Hart-  
ford, Conn.), Epicycloidal Gear Model  
Messrs. Schaeffer & Budenberg  
(Brooklyn, N.Y.)... Double Indicator  
J. Costigan, Esq..... Equipment  
H. Archibald, Esq..... Books  
Herr Brocaus ..... Books  
John Seeley, Esq..... Insulators  
Messrs. Nalder Bros. & Co. (Eng.)  
Standard Cell  
Warrington Wire Co..... Cable Samples  
The Pelton Water Wheel Com-  
pany (New York) ..... Two Motors  
Yale & Towne Manufacturing Co.  
(Stamford, Conn.)..... Equipment  
The Crooker-Wheeler Electric Mo-  
tor Co. (New York) ..... Motor  
American Steam Gauge Company  
(Boston)..... Indicator  
Messrs. John Wiley & Sons (New  
York)..... Books  
Messrs. E. J. Maxwell & Co. Equipment  
Dr. Mason..... "  
Messrs. R. Mitchell & Co..... "  
F. L. Wanklyn, Esq..... "  
F. R. Redpath, Esq..... "  
Messrs. Irwin & Hopper..... "  
Canadian General Electric  
Co. (Toronto), per F. Ni-  
chols, Esq..... "  
R. Guilford Smith, Esq..... Books  
Henry Garth, Esq..... Equipment  
R. Gardner, Esq..... "  
H. Paton, Esq..... "  
Messrs. John Lovell & Sons..... Books  
Professor Egleston (New York) .. Books  
S. R. Earle, Esq..... Air Injector  
Eureka Tempered Copper  
Co..... Equipment  
Alf. Joyce..... \$50  
Hon. J. K. Ward..... 50  
W. C. McDonald Esq... Centrifugal  
Pump  
W. C. McDonald, Esq..... Experi-  
mental Boiler
- Messrs. W. Kennedy & Sons  
(Owen Sound)..... American Turbine  
Messrs. J. Birch & Co. (Eng-  
land)..... Hydraulic Tubes  
Queensland Government, per Sir  
Thomas McLlwaith..... Collec-  
tion of Timbers  
John Kennedy, Esq..... Timber  
Beams of large Scantling for  
Testing Laboratory  
The Stirling Company..... Sec-  
tional Blue Prints of Boilers  
A. A. Cary, Esq..... Photo-  
graphs of Boilers  
Peter Nicholson..... \$100  
W. Rodden, Esq..... Equipment  
R. Smith, Esq..... "  
A. Palmer, Esq..... "  
Prof. C. A. Carus-Wilson... "  
Electric Welding Company  
(Boston)..... "  
Professor Rogers (Water-  
ville, Maine)..... "  
Messrs. Sharp, Stewart & Co.  
(Manchester, Eng.)..... "  
Messrs Hadfield (Sheffield) .. "  
W. C. McDonald, Esq..... Experi-  
mental Pump  
Canadian General Electric Co.....  
Electric Drill  
Canadian General Electric Co.....  
Edison Generator  
National Electric Mfg. Co.....  
100 volt. Transformer  
Dr. Egleston..... Framed Photo-  
graph of the Moon  
W. C. McDonald, Esq..... Piano  
F. Reddaway & Co..... Belt  
(value \$50.00)  
P. H. Cowper, Esq..... Model of  
Steam Engine  
C. F. Lindsay & Co..... Equipment  
Canadian Pacific Railway Co.....  
Timber Beams of large Scantling  
for Testing Laboratory  
McLaughlin Bros..... Timber Beams  
of large Scantling for Testing  
Laboratory  
British Columbian Mills, Timber  
and Trading Company..... Timber  
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Testing Laboratory  
T. J. Claxton, Esq..... Timber  
Beams of large Scantling for  
Testing Laboratory  
C. B. Smith, Esq..... Framed  
Photos of Bridges (2)  
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A friend....

Duncan Mel

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A. F. Gault

M. H. Gault

G. W. Steph

James Benn

R. P. Howar

Frank Buller

G. B. &amp; J. H

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Mrs. John R

Hon. John H

Miss Orkney.

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and Sketches of London and Liverpool Docks	Felton & Guilleaume.....Samples of Cable Wire, etc.
The Geo. F. Blake Mufg. Co.....	The Steel Company of Scotland....
Blue Prints of Pump	Samples of Cable Wire, etc.
Yates & Thom.....Blue Prints of Machinery	

The above representing a total value of about \$80,000.

7. FACULTY OF APPLIED SCIENCE LIBRARY ENDOWMENT.

Hugh Paton .....	\$ 25	W. Rodden .....	\$25
A. Joyce.....	25	M. Parker .....	25
R. Gardner.....	50	Robin & Sadler.....	50
H. Garth .....	100	J. Robertson, Esq.....	50
Hughes & Stephenson.....	100	Mrs. John McDougall .....	20
R. Mitchell.....	300		
			\$770

III. ENDOWMENTS AND SUBSCRIPTIONS IN AID OF  
THE FACULTY OF MEDICINE

1. LEANCHOIL ENDOWMENT.

Hon. Sir Donald A. Smith, K.C.M.G.....\$50,000

2. CAMPBELL MEMORIAL ENDOWMENT—\$53,000.

Established to commemorate the service rendered to the Faculty during 40 years by the late Dean George W. Campbell, M.D., LL.D.

Mrs. G. W. Campbell.....	\$2000	E. K. & G. A. Greene, Esqrs.....	\$500
H. A. Allan, Esq.....	1500	R. A. Smith, Esq.....	500
Hon. Sir D. A. Smith.....	1500	George Hague, Esq.....	500
Sir George Stephen, Bart.....	1000	J. K. Ward, Esq.....	500
R. B. Angus, Esq.....	1000	Warden King, Esq.....	500
George A. Drummond, Esq.....	1000	John Stirling, Esq.....	500
Alex. Murray, Esq.....	1000	John Rankin, Esq.....	500
Robert Moat, Esq.....	1000	Messrs. Cantlie, Ewan & Co.....	500
W. C. McDonald, Esq.....	1000	Robert Reford, Esq.....	500
A friend.....	1000	Messrs. J. & W. Ogilvie.....	500
Duncan McIntyre, Esq.....	1000	Randolph Hersey, Esq.....	500
Alex. Buntin, Esq.....	1000	John A. Pillow, Esq.....	500
A. F. Gault, Esq.....	1000	S. Carsley, Esq.....	500
M. H. Gault, Esq.....	1000	D. C. MacCallum, M.D.....	500
G. W. Stephens, Esq.....	1000	Messrs. McLachlan Bros.....	500
James Benning, Esq.....	1000	Messrs. S. Greenshields, Son & Co.....	500
R. P. Howard, M.D.....	1000	Jonathan Hodgson, Esq.....	500
Frank Buller, M.D.....	1000	Duncan McEachran, Esq., F. R. C. V. S.....	500
G. B. & J. H. Burland, Esqs.....	1000	George Ross, M.D.....	500
Miss Elizabeth C. Benny.....	1000	T. G. Roddick, M.D.....	500
J. C. Wilson, Esq.....	1000	Wm. Gardner, M.D.....	500
Mrs. John Redpath.....	1000	G. P. Girdwood, M.D.....	500
Hon. John Hamilton.....	1000	G. E. Fenwick, M.D.....	500
Miss Orkney.....	1000	Alex. Ramsay, Esq.....	500
Hugh Mackay, Esq.....	1000	Messrs. Cochrane, Cassils & Co.....	500
Hector McKenzie, Esq.....	1000	Sir Joseph Hickson.....	500
Thomas Workman, Esq.....	1000	Allen Gilmour, Esq., Ottawa.....	500
Hugh McLennan, Esq.....	1000	R. W. Shepherd, Esq.....	500
O. S. Wood, Esq.....	1000	Miles Williams, Esq.....	300
James Burnett, Esq.....	500	Charles F. Smithers, Esq.....	250
Andrew Robertson, Esq.....	500	John Kerry, Esq.....	250
Robert McKay, Esq.....	500	A. Baumgarten, Esq.....	250
John Hope, Esq.....	500	R. W. Elmenhorst, Esq.....	250
Alex. Urquhart, Esq.....	500		

W. F. Lewis, Esq.....	250	T. J. Alloway, M.D.....	\$25
George Armstrong, Esq.....	250	Louis T. Marceau, M.D. (Napier-	
J. M. Douglas, Esq.....	250	ville, Q.).....	25
Messrs. H. Lyman, Sons & Co.....	250	Griffith Evans, M.D. (Vet. Dept.	
William Osler, M.D.....	250	Army).....	25
F. J. Shepherd, M.D.....	250	J. J. Farley, M.D. (Belleville).....	25
Benj. Dawson, Esq.....	200	Henry R. Gray, Esq.....	25
R. Wolff, Esq.....	150	J. E. Brouse, M.D. (Prescott).....	20
James Stuart, M.D.....	150	R. F. Rinfret (Quebec).....	20
A. T. Paterson, Esq.....	100	Robt. Howard, M.D. (St. Johns)..	20
H. W. Thornton, M.D. (New Rich-		Drs. J. & D. J. McIntosh (Vank-	
mond, Q.).....	100	leek Hill).....	20
M. E. David, Esq.....	100	J. H. McBean, M.D.....	15
C. B. Harvey, M.D. (Yale, B.C.)...	100	J. C. Rattray, M.D. (Cobden, O.)	10
D. Cluness, M.D. (Nanaimo, B.C.)	100	E. H. Howard, M.D. (Lachine)...	10
W. Kinlock, Esq.....	100	J. W. Oliver, M.D. (Clifton, O.)	10
Hua & Richardson .....	100	D. A. McDougall, M.D. (Ottawa,	
Mrs. Cuthbert (N. Richmond, Q.)	100	O.).....	10
J. M. Drake, M.D.....	100	A. Poussette, M.D. (Sarnia, O.)..	10
Hugh Paton, Esq.....	100	A. Ruttan, M.D. (Napanee, O.)...	10
R. T. Godfrey, M.D.....	100	Jas. Gunn, M.D. (Durham, O.)...	10
T. A. Rodger, M.D.....	100	J. McDiarmid, M.D. (Hensall, O.)	5
W. A. Dyer, Esq.....	100	W. J. Derby, M.D. (Rockland, O.)	5
George Wood, M.D. (Faribault,		J. Gillies, M.D. (Teewater, O.)	5
Minn.).....	100	J. B. Benson, M.D. (Chatham,	
A. A. Browne, M.D.....	100	N.B.).....	5
George Wilkins, M.D.....	100	L. A. Fortier, M.D. (St David,	
R. L. McDonnell, M.D.....	100	Q.).....	5
Joseph Workman, M.D. (Toronto)	50	J. A. McArthur, M.D. (Fort Elgin,	
Hon. Sir A. T. Galt.....	50	O.).....	5
Henry Lunam, B.A., M.D. (Camp-		John Campbell, M.D. (Seaforth,	
bellton, N.B.).....	50	O.).....	5
R. J. B. Howard, M.D.....	25		

3. ENDOWED CHAIRS, ETC.

Sir Donald A. Smith Chair of Pathology in the Faculty of Medicine, endowed in 1893 by the Hon. Sir Donald A. Smith with the sum of.....	\$50,000
Sir Donald A. Smith Department of Hygiene in the Faculty of Medicine, endowed in 1893 by the Hon. Sir Donald A. Smith with the sum of...	50,000
MRS. MARY DOW BEQUEST—Bequest by the will of the late Mrs. Mary Dow for the Faculty of Medicine, 1893, \$10,000, less Government Tax of 10 per cent.....	9,000
JOHN H. R. MOLSON DONATION—Donation by J. H. R. Molson, Esq., to the Faculty of Medicine of McGill University, \$25,000 for the purchase of land, and \$35,000 for additional building and equipment.....	60,000
WALTER DRAKE, Esq., for benefit of Chair of Physiology, interest annually on \$10,000, session 1891 to 1892-93.....	500
MRS. JOHN MCDUGALL, toward formation of a Dr. Craik Fund.....	1,000
JANE F. LEARMONT, bequest do do do .....	3,000

4. MEDALS AND SCHOLARSHIPS.

In 1865 the "Holmes Gold Medal" was founded by the Faculty of Medicine as a memorial of the late Andrew Holmes, Esq., M.D., LL.D., late Dean of the Faculty of Medicine, to be given to the best student in the graduating class, in Medicine, who should undergo a special examination in all the branches, whether Primary or Final.

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In 1878 the "Sutherland Gold Medal" was founded by Mrs. Sutherland of Montreal, in memory of her late husband, Prof. William Sutherland, M.D., for competition in the classes of Theoretical and Practical Chemistry in the Faculty of Medicine, together with creditable standing in the Primary Examinations. THE DAVID MORRICE SCHOLARSHIP—in the subject of Institutes of Medicine, in the Faculty of Medicine—founded in 1881—value \$100. (Terminated in 1883.)

5. LIBRARY, MUSEUM AND APPARATUS.

*For the fittings of the Library and Museum of the Faculty of Medicine, 1872.*

G. W. Campbell, A.M., M.D...	\$1200	Robert Craik, M.D. ....	\$200
W. E. Scott, M.D. ....	200	Geo. E. Fenwick, M.D. ....	200
Wm. Wright, M.D. ....	200	Joseph M. Drake, M.D. ....	200
Robert P. Howard, M.D. ....	200	Geo. Ross, M.A., M.D. ....	50
Duncan C. MacCallum, M.D. ....	200		

The Professors and Lecturers in the Summer Sessions of the Faculty of Medicine.....	} Donation to Apparatus Museum, Library, etc., of the Medical Faculty, 1887, \$1,182; 1888, \$1,023.	} 2205

*For Physiological Laboratory of Faculty of Medicine, 1879.*

Dr. Campbell.....	\$100	Dr. Ross.....	\$50
Dr. Howard.....	100	Dr. Roddick.....	50
Dr. Craik.....	100	Dr. Buller.....	50
Dr. MacCallum.....	100	Dr. Gardner.....	50
Dr. Drake.....	100	Dr. Osler.....	50
Dr. Godfrey.....	100		
Dr. McEachran, F.R.C.V.S....	100		\$950

*Cameron Obstetrical Collections.*

Dr. J. C. Cameron .....	\$10,000
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6. MISCELLANEOUS.

Anonymous Donor toward Expenses of Pathology for Session 1892-3.....	\$500
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IV. ENDOWMENTS AND SUBSCRIPTIONS FOR THE FACULTY OF LAW.

1. ENDOWED CHAIRS, ETC.

THE GALE CHAIR, in the Faculty, of Law, endowed by the late Mrs. Andrew Stuart (*née* Agnes Logan Gale) of Montreal, in memory of her father, the late Honourable Mr. Justice Gale,—\$25,000.  
THE WILLIAM C. McDONALD Faculty of Law Endowment, founded by William C. McDonald, Esq. (1890)—\$150,000.

2. MEDAL.

In 1865 the "Elizabeth Torrance Gold Medal" was founded and endowed by John Torrance, Esq., of St. Antoine Hall, Montreal, in memory of the late Mrs. John Torrance, for the best student in the graduating class in Law, and more especially for the highest proficiency in Roman Law.

## V. LIBRARY, MUSEUM AND APPARATUS.

### 1. SPECIAL COLLECTIONS OF BOOKS PRESENTED TO THE LIBRARY.

1. The Peter Redpath Collection of Historical Books, presented by Peter Redpath, Esq., of Montreal, 2676 Volumes, with subsequent additions.
2. The Robson Collection of works in Archaeology and General Literature, presented by Dr. John Robson, of Warrington, England, 3438 Volumes.
3. The Charles Alexander Collection of Classical Works, presented by C. Alexander, Esq., of Montreal, 221 Volumes.
4. Frederick Griffin, Esq., Q.C., Collection of Books, being the whole of his Library, bequeathed by his will, 2695 Volumes.
5. The Hon. Mr. Justice Mackay, collection of Books, being the whole of his Library. 2007 Volumes.
6. The "T. D. King Shakespeare Collection," presented by the Hon. Sir Donald A. Smith and W. C. McDonald, Esq., of Montreal, being 214 Volumes.

### 2. SUBSCRIPTIONS, ETC., TO LIBRARY.

John Thorburn, for purchase of Books.....	\$90	Hon. Sir Donald A. Smith, for purchase of books from the R. W. Boodle Library.....	\$200
Andrew Drummond, do for Applied Science.....	25	Ottawa Valley Graduates Society, for binding books in the University Library .....	25
Hon. F. W. Torrance, for Endowment of Mental and Moral Philosophy Book Fund .....	1000	Hugh S. McLennan, Library Endowment, a gift from Estate late Hugh S. McLennan to the Library of McGill College, the income to be applied to binding .....	250
Mrs. Redpath, for the endowment of the Wm. Wood Redpath Library Fund.....	1000	Peter Redpath, Esq., in aid of the new catalogue of the Library (1892) .....	500
A friend, by the Hon. F. W. Torrance.....	400	Miss Elizabeth Bimmore, M.A., for the purchase of Botanical Books.....	10
The Graduates in Arts and Applied Science of 1885 for purchase of Books .....	31		
Do of 1886 .....	28		
The late R. A. Ramsay, Esq., Bequest for purchase of books	1000		
Wm. Molson, Esq., for Endowment of a Library Fund.....	4000		
Andrew Drummond, Esq., to Library Fund of Faculty of Applied Science.....	25		

### 3. SPECIAL COLLECTIONS PRESENTED TO THE MUSEUM.

1. The Holmes Herbarium, presented by the late Andrew F. Holmes, M.D.
2. The Carpenter Collections of Shells, presented by the late P. P. Carpenter, Ph.D.
3. The collection of Casts of Ivory Carvings issued by the Arundel Society, presented by Henry Chapman, Esq.
4. The McCulloch Collection of Birds and Mammals, collected by the late Dr. M. McCulloch, of Montreal, and presented by his heirs.
5. The Logan Memorial Collections of Specimens in Geology and Natural History, presented by the heirs of the late Sir W. E. Logan, LL.D., F.R.S.

- 6. The Dawson Collection in Geology and Palaeontology, being the Private Collections of Principal Dawson, presented by him to the Museum.
  - 7. The Bowles Collection of Lepidoptera, presented by W. C. McDonald, Esq., and J. H. Burland, Esq.
  - 8. R. Morton Middleton, jr., London, Eng., Collection of Plants.
- (See also "List of Donations to the Library and Museum," printed annually in the Calendar and Report of the Museum.)

4. SUBSCRIPTIONS, ETC., FOR THE MUSEUM.

T. J. Claxton, Esq., for purchase of Specimens for Museum.....	\$250	Peter Redpath, Esq., for improvements to Museum.....	\$10 00
Wm. Molson, Esq., for Endowment of a Museum Fund.....	2000	A lady, for Museum Expenses from 1882 to 1894.....	7000
Peter Redpath, Esq., for Museum Expenses, \$1000 per annum from 1882 to 1893 ....	12,000	A friend, for the purchase of specimens for the Museum.....	3900
Mrs. Peter Redpath, for Museum expenses, \$1000 per annum, 1894.....	1000	John H. R. Molson, for purchase of book on "Butterflies of Eastern U.S. and Canada".....	50
Mrs. H. G. Frothingham, for the arrangement of Dr. Carpenter's Collection of Mazatlan shells..	233	Hon. Sir Donald A. Smith, for mounting skin and skeleton of Musk Ox.....	150

5. FOR APPARATUS.

William Molson, Esq., Philosophical Apparatus, 1867.....	\$500	The Local Committee for the reception (1881) of American Society of Civil Engineers	
John H. R. Molson, Esq., for the same.....	500	{ For the purchase of appliances for the department of Civil Engineering in Faculty of Applied Science }	\$475
Peter Redpath, Esq., for the same.....	500	Capt. Adams, Chemical Apparatus.....	10
George Moffatt, Esq., for the same.....	250	J. H. Burland, B.A.Sc., Chemical Apparatus.....	25
Andrew Robertson, Esq., for the same.....	100	Mrs. Redpath, Storage battery...	400
John Frothingham, Esq., for the same.....	100	W. C. McDonald, Esq., fittings of upper Chemical Laboratory.....	2075
David Torrance, Esq., for the same.....	100	The Local Committee of the British Association for the Advancement of Science, to found the British Association Apparatus Fund in the Faculties of Arts and Applied Science, in commemoration of the meeting of the Association in Montreal in 1884.....	1500
A Telescope and Astronomical Instruments, the gift of Chas. T. Blackman, Esq., of Montreal, and called after his name.		A. J. Lawson, a Dynamo.	
Thos. J. Barron, B.A., for Philosophical Apparatus.....	50	Benjamin Dawson, 3 Microscopes.	
J. H. R. Molson, Esq., Dynamo, Gas Engine and fixtures.....	1792	Sir Donald A. Smith, for appliances in Zoology in special interest of Donalds Classes...	100
A lady, for the purchase of Mining Models.....	1000		
Thos. McDougall, Esq., for the same.....	25		
J. Livesey, Esq., through Dr. Harrington, for the same.....	50		
Geo. Stephen, Esq., for the same.....	50		
Chas. Gibb, B.A., donation for Apparatus in Applied Science.	50		

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## VI. SUBSCRIPTIONS FOR SPECIAL OBJECTS.

## 1. FOR A BUILDING FOR THE CARPENTER COLLECTION OF SHELLS

1868.

Peter Redpath, Esq.....	\$ 500	Wm. Dow, Esq.....	\$100
William Molson, Esq.....	500	Thos. Rimmer, Esq.....	100
Harrison Stephen, Esq.....	100	Andrew Robertson, Esq.....	100
Robert J. Reekie, Esq.....	100	Mrs. Redpath.....	100
John H. R. Molson, Esq.....	100	Benaiah Gibb, Esq.....	50
Sir Wm. E. Logan, Esq., F.R.S.	100	Honorable John Rose.....	50
John Molson, Esq.....	100		
Thos. Workman, Esq., M. P.....	100		\$2,200
Geo. H. Frothingham, Esq.....	100		

## 2. FOR THE ERECTION OF THE LODGE AND GATES.

William Molson, Esq.....	\$100	John Frothingham, Esq.....	\$100
John H. R. Molson, Esq.....	100	James A. Mathewson, Esq.....	100
William Workman, Esq.....	100	Peter Redpath, Esq.....	100
Joseph Tiffin, jun., Esq.....	100	G. H. Frothingham, Esq.....	100
Thos. J. Claxton, Esq.....	100	G. D. Ferrier, Esq.....	100
James Linton, Esq.....	100	Geo. W. Warner, Esq.....	100
William McDougall, Esq.....	100	John Smith, Esq.....	100
Charles J. Brydges, Esq.....	100	Charles Alexander, Esq.....	100
George A. Drummond, Esq.....	100	J. Evans, Esq.....	100
Thomas Rimmer, Esq.....	100	Henry Lyman, Esq.....	100
William Dow, Esq.....	100		

## 3. FOR THE SUPPORT OF THE CHAIR OF BOTANY, 1883-84

Principal Dawson.....	\$500	per annum, for 5 years, being...	\$2500
Hon. Sir D. A. Smith.....	250	" " " ".....	1250
J. H. R. Molson.....	100	" " " ".....	500
Mrs. J. H. R. Molson, Esq.....	100	" " " ".....	500
G. Hagne, Esq.....	100	" " " ".....	500
Mrs. Redpath.....	100	" " " ".....	500
Hugh McKay, Esq.....	100	" " " ".....	500
Robert Moat, Esq.....	100	" " " ".....	500
W. D. McDonald, Esq.....	100	" " " ".....	500
Charles Gibb, Esq.....	50	" " " ".....	250
Miss Orkney.....	50	" " " ".....	250
Robert McKay, Esq.....	50	" " " ".....	250
Mr. Molson.....	50	" " " ".....	250
Mrs. John Molson.....	50	" " " ".....	250
John Stirling, Esq.....	50	" " " ".....	250
Warden King, Esq.....	50	" " " ".....	250
Miss Hali.....	50	" " " ".....	250
Robert Angus, Esq.....	50	" " " ".....	250
D. A. P. Watt, Esq.....	50	" " " ".....	250
Hugh McLennan, Esq.....	25	" " " ".....	125
Sir Joseph Hickson.....	10	" " " ".....	50
Mrs. Phillips.....	10	.....	40

4. SUBSCRIPTIONS TO BOTANIC GARDEN,  
1890-91.

Hugh McLennan, Esq.....	\$100	Jonathan Brown, Esq.....	\$100
Gilman Cheney, Esq.....	100	Jonathan Hodgson, Esq.....	100
James Johnston, Esq.....	100	Robert Mackay, Esq.....	100
James Slessor.....	100	H. Shorey, Esq.....	50
A friend, Esq.....	100	J. S. Shearer, Esq.....	50
Hugh Graham, Esq.....	100	Geo. Sumner, Esq.....	25
A. F. Gault, Esq.....	100	A. Ramsay & Co.....	25
W. T. Costigan, Esq.....	100	Garth & Co.....	25

5. TO ERECT PLANT HOUSE IN BOTANIC GARDEN.

Hon. Sir Donald A. Smith.....	\$362 00
John H. R. Molson, Esq.....	361 51
William C. McDonald, Esq.....	361 02

\$1084 53

6. IN AID OF THE CHAIR OF HEBREW.

Warden King, Esq.....	in 1889	\$50 per annum, 3 years, being..	\$150
Principal Sir William Dawson..	"	50 " " " "	150
Hon. Hugh Mackay.....	"	50 " " " "	150
A. F. Gault, Esq.....	"	25 " " " "	75
Geo. Hague, Esq.....	"	25 " " " "	75
T. A. Dawes, Esq.....	"	25 " " " "	75
S. Carsley, Esq.....	"	25 " " " "	75
S. Davis, Esq.....	in 1892.....		20
Warden King, Esq.....	"	50 per annum for 3 years...	150
A. F. Gault, Esq.....	"	50 " " " "	150
Robert MacKay, Esq.....	"	50 " " " "	150
Hugh McLennan, Esq.....	"	25 " " " "	75
George Hague, Esq.....	"	25 " " " "	75
T. A. Dawes, Esq.....	"	25 " " " "	75
S. Carsley, Esq.....	"		25
J. Murphy, Esq.....	"		25

7. FOR MUSICAL INSTRUCTION IN THE DONALDA SPECIAL COURSE FOR WOMEN.

Hon. Sir Donald A. Smith, session 1889-90.....	\$200
" " " " 1890-91.....	200

8. FOUNDER'S TOMB.

R. A. Ramsay, M.A., B.C.L., to defray the expenses of re-erecting the tomb of the late Hon. James McGill.....	\$150
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9. UNIVERSITY PORTRAITS AND BUSTS.

- Portrait of the Founder, presented by the late Thomas Blackwood, Esq.
- Portrait of William Molson, Esq., presented to the University.
- Bust of William Molson, Esq., by Marshall Wood, presented by Graduates of the University.
- Portrait of Peter Redpath, Esq., painted by Sydney Hodges, presented by Citizens of Montreal.
- Portrait of Rev. Dr. Leach, by Wyatt Eaton, presented by Friends and Graduates of the University.
- Portrait of Sir William Dawson, by Wyatt Eaton, presented by friends and Graduates of the University.

Portrait of Hon. James Ferrier, by Robert Harris, presented by Friends and Graduates of the University.

Portrait of Dr. William Robertson, founder of the Medical Faculty, presented in loving remembrance by his family and descendants.

Bust of Peter Redpath, Esq., by Reynolds Stephens, presented by Mr. Redpath's personal friends in England.

#### 10. ENDOWMENT, HELD IN TRUST BY THE BOARD OF ROYAL INSTITUTION.

The "Hannah Willard Lyman Memorial Fund," contributed by subscription of former pupils of Miss Lyman, and invested as a permanent endowment to furnish annually a Scholarship or Prizes in a "College for Women" affiliated to the University, or in classes for the Higher Education of Women approved by the University. The amount of the fund is at present \$1,100.

### VII. THE GRADUATES FUNDS.

#### 1. THE FUND FOR ENDOWMENT OF THE LIBRARY.

The Graduates' Society of the University, in 1876, passed the following Resolution:—

*Resolved*:—"That the members and graduates be invited to subscribe to a fund for the endowment of the Libraries of the University; said fund to be invested and the proceeds applied under the supervision of the Council of the Society in annual additions to the Libraries; an equitable division of said proceeds to be made by the Council between the University Library and those of the Professional Faculties."

In terms thereof subscriptions have been paid in to the Graduates' Society, amounting in all to \$3,120; the interest on which is annually expended in the purchase of books for the several libraries under the direction of a special committee appointed for that purpose.

#### 2. THE DAWSON FELLOWSHIP FOUNDATION.

The Graduates' Society of the University, in 1880, and in commemoration of the completion by Dr. Dawson of his twenty-fifth year as Principal, resolved to raise, with the assistance of their friends, a fund towards the Endowment of the Fellowship, under the above name.

Details of the scheme can be had from the Treasurer, Francis Topp, B.A., B.C.L. The following subscriptions have been announced to date, May 1st, 1889. They are payable in one sum, in instalments, without interest or with interest till payment of capital, as subscribers have elected.

*Alphabetically arranged.*

Abbott, H., B.C.L.....	\$ 60	Lyman, H. H., M.A.....	\$ 100
Archibald, H., B.A.Sc.....	20	Lyman, A. C., M.A., B.C.L.....	50
Bethune M.B., M.A., B.C.L.....	50	McCormick, D., B.C.L.....	100
Carter, C.B., B.C.L.....	100	McGibbon, R. D., B.A., B.C.L....	100
Cruikshank, W.G., B.C.L.....	100	McGoun, A., jun., M.A., B.C.L.....	50
Dawson, W. B., M.A., M.A.E.....	58	McLennan, J. S., B.A.....	100
Dougall, J. R., M.A.....	250	Ramsay, R.A., M.A., B.C.L.....	50
Gibb, C., B.A.....	100	Spencer, J. W., B.A.Sc., Ph.D....	50
Hall, Rev. Wm., M.A.....	100	Stephen, C. H., B.C.L.....	100
Hall, J. S., jun., B.A., B.C.L.....	100	Stewart, D. A., B.A.Sc.....	20
Harrington, B.J., B.A., Ph.D....	50	Stewart, J., M.D.....	60
Hutchinson, M., B.C.L.....	400	Tait, M. M., B.C.L.....	100
Kirby, J., LL.D., D.C.L.....	150	Taylor, A. D., B.A., B.C.L.....	100
Krans, Rev. E. H., M.A., LL.D....	100	Trenholme, N. W., M.A., D.C.L.....	400
Leet, S. P., B.C.L.....	100		
Lighthall, W.D., M.A., B.C.L....	100		
		Total to date.....	\$3,010

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